THE
GEORGE
WASHINGTON
UNIVERSITY

CATALOGUE

CONTENTS

Summer Sessions Bulletin 1949

Law School Bulletin 1949-50

School of Medicine Bulletin 1949-50

Composite Catalogue 1949-50

School of Education Bulletin 1949-50

Comptroller's Report 1949

Fields of Research 1950

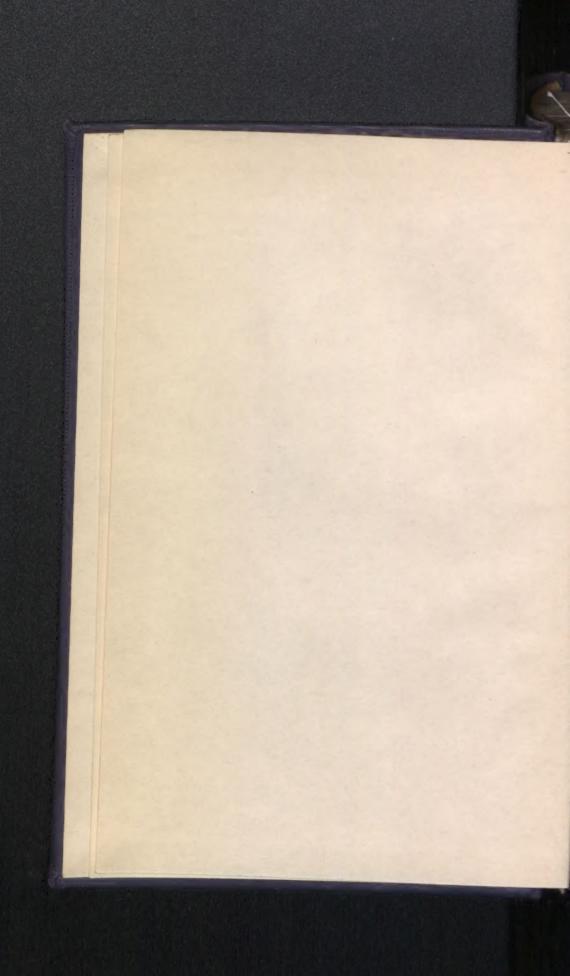
Summaries of Doctoral Dissertations

1947 and 1948

The George Washington University Library

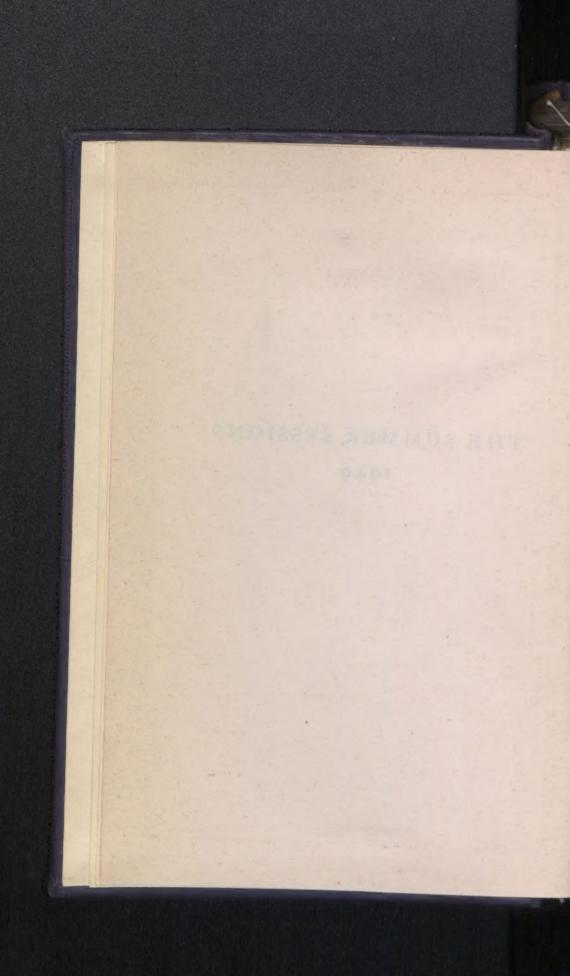


DOES NOT CIRCULATE



3850

THE SUMMER SESSIONS



GEORGE WASHINGTON UNIVERSITY

BULLETIN

Vol. XLVIII

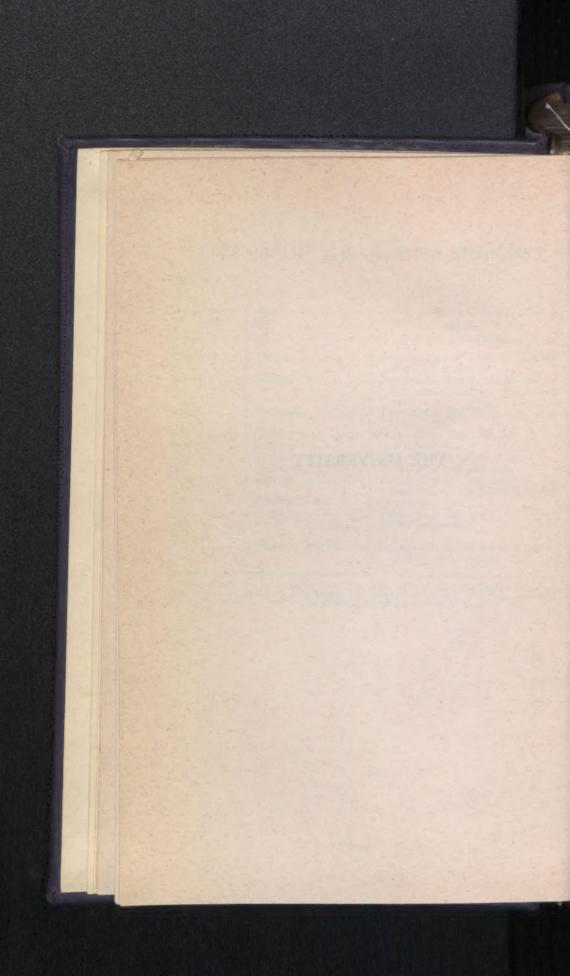
No. 2

THE SUMMER SESSIONS

WASHINGTON, D. C.

PUBLISHED IN APRIL MCMXLIX

BY THE UNIVERSITY



THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President and Vice-President of the University ex officio and the following persons by election:

Robert Vedder Fleming, LL.D., Chairman Henry Parsons Erwin, A.B., Secretary Newell Windom Ellison, A.B., LL.B., Assistant Secretary

Avery DeLano Andrews, B.S., LL.B. Clarence Aiken Aspinwall Lyman James Briggs, Ph.D., Sc.D., D.Eng., LL.D. John St. Clair Brookes, Jr., A.M., LL.B. John Henry Cowles, LL.D. Homer Cummings, Ph.B., LL.B., LL.D., L.H.D. Mrs. Joshua Evans, Jr., A.B., Ed.D. *Robert Elliott Freer A.B., LL.M. Charles Carroll Glover, Jr., A.M., LL.B. Gilbert Grosvenor, A.M., LL.D., Litt.D. *Brooks Hays, A.B., LL.B., LL.D. John Edgar Hoover, LL.M., LL.D. *Frank Atherton Howard, B.S. in M.E., LL.B. Alfred Henry Lawson, LL.B. Benjamin Mosby McKelway *Claude Worthington Owen, LL.M. Mrs. Henry Alvah Strong, LL.D. Merle Thorpe, A.B. Walter Rupert Tuckerman, A.B., LL.B. Alexander Wetmore, Ph.D., Sc.D. *Charles Stanley White, M.D., Sc.D. Lloyd Bennett Wilson

^{*} Nominated by the Alumni,

THE UNIVERSITY

HISTORY AND ORGANIZATION

The idea of a university in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

Columbian College in the District of Columbia was chartered by an act of Congress of February 9, 1821. In 1873 the name was changed to "Columbian University" and in 1904 to "The George Washington

University".

The University as it is now organized consists of the Junior College, comprising the work of the freshman and sophomore years; Columbian College, the senior college of liberal arts, which offers work leading to the Bachelor's and Master's degrees; the Graduate Council, which offers work leading to the degree of Doctor of Philosophy; the professional schools, including Medicine, Law, Engineering, Pharmacy, Education, and Government; the Division of University Students, which leads to no degree but makes the work of the University accessible to the mature student; and the Division of Special Students, in which are registered students who wish to work toward degrees but who lack the qualifications for admission to degree-granting schools or colleges.

ACADEMIC STATUS

The George Washington University is on the approved list of the Association of American Universities, the standard accrediting body for the United States. This fact not only assures to students the academic standards of this accrediting body, but also is important to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women.

The Law School is a charter member of the Association of American Law Schools and is approved by the Council of Legal Education of the American Bar Association. The School of Medicine is a member of the Association of American Medical Colleges, and is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association. The School of Pharmacy is accredited by the American Council on Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy. The School of Engineering is on the accredited list of the Engineers' Council for Professional Development.

LOCATION

The George Washington University is in downtown Washington, four blocks west of the White House and east of the Potomac River with its extensive parkway. Within a few blocks are the buildings housing the offices of many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of Unstice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by, and the Capitol and the Library of Congress are readily accessible.

EDUCATIONAL FACILITIES

Buildings, grounds, and equipment of the University are valued at over \$12,000,000. The buildings of the colleges, schools, and divisions offering Summer Sessions work are in the vicinity of Twenty-first and G Streets NW.

The University Library.—The University Library contains more than 170,000 volumes, and with the exception of the law and medical collections is housed in the Library Building.

Regulations governing the use of the library, the circulation of books, and the use of reserve books and periodicals are available at the service desks of the Library.

OTHER LIBRARY FACILITIES IN WASHINGTON

The student has access also to the Library of Congress, the Public Library of the District of Columbia and its branches, the Library of the Carnegie Endowment for International Peace, the Library of the Pan American Union, the Library of the Bureau of Railway Economics, the Library of the United States Department of Agriculture, the Library of the United States Office of Education, the Army Medical Library, the Library of the Smithsonian Institution, and many other great special collections of the government departments.

RESEARCH FACILITIES OF WASHINGTON

The arrangement of the summer schedule of classes permits the fulltime student to avail himself of the opportunity to study, at first hand, the working of the Federal Government and so to form a background for intelligent and useful citizenship.

In the departmental libraries of the Federal Government are a multitude of reports made by eminent specialists in all fields of science on the results of study and research in the bureaus, experimental stations,

laboratories, museums, and observatories of the Nation.

In addition to the governmental collection the student has access to the research facilities of such scientific and educational groups, whose headquarters are situated in Washington, as the Carnegie Institution, the American Council on Education, the American Council of Learned Societies, the National Academy of Sciences, the National Research Council, the National Education Association, and the National Geographic Society.

THE SUMMER SESSIONS 1949





STAFF OF INSTRUCTION IN THE SUMMER SESSIONS

Katharine Rogers Adams, Ph.D., Lecturer in English

Milton Kent Akers, B.S., E.E., Associate Professor of Electrical Engineering

Antonio Alonso, A.M., Associate Professor of Spanish

Norman Bruce Ames, M.S., E.E., LL.B., Professor of Electrical Engineering

Jerome Strauss Antel, B.S. in E.E., Instructor in Electrical Engineering Charles Edward Bardsley, D. Eng., Professorial Lecturer in Mechanical Engineering

Carville Dickinson Benson, A.B., LL.B., S.J.D., Professor of Law

Lee Sheward Bielski, A.M., Associate in Speech

Charles Edward Bish, A.M., Ed.D., Professorial Lecturer in Education Robert Whitney Bolwell, Ph.D., Professor of American Literature

Ivan Albert Booker, Ph.D., Professorial Lecturer in Education

Paul William Bowman, Ph.D., Professor of Biology

John Withrow Brewer, Ph.D., Professor of International Law

James Leonard Buckler, A.B., Lecturer on Accounting

Lloyd William Buhrman, A.M., Instructor in Spanish

John Patrick Burke, LL.B., Associate Professor of Law

Frank Robert Byrne, M.B.A., LL.M., C.P.A., Lecturer on Accounting

Willard Caldwell, Ph.D., Assistant Professor of Psychology

Robert Dale Campbell, A.M., Associate Professor of Geography

William Sutton Carley, M.S. in E.E., Associate Professor of Electrical Engineering

Walter Lynn Cheney, Ph.D., Professor of Physics

Arthur Castner Christman, Jr., B.S., Instructor in Physics

James Harold Coberly, A.M., Assistant Professor of English

Nicholas Trephon Cokenias, A.B., Associate in German

Charles William Cole, Ph.D., Associate Professor of American Literature

Charles Sager Collier, A.B., L.L.B., S.J.D., Professor of Law David Carl Colony, Jr., B.C.E., Lecturer in Civil Engineering

Robert Carter Cook, Lecturer on Genetics

Robert McKinney Cooper, Ph.M., J.D., Associate Professor of Law

Robert Floyd Cromwell, Ed.D., Professorial Lecturer in Education Benjamin Carpenter Cruickshanks, B.S. in M.E., Professor of Mechani-

cal Engineering Edwin Wallace Davis, Ph.D., Lecturer in Psychology James Forrester Davison, A.B., LL.M., S.J.D., Professor of Law Roderic Hollett Davison, Ph.D., Assistant Professor of European His-

Martin Steele Day, Ph.D., Assistant Professor of English Bernard Theodore Dodder, M.S., C.P.A., Lecturer on Accounting Henry Grattan Doyle, A.M., LL.D., Litt.D., Professor of Romance

Languages Mitchell Dreese, Ph.D., Professor of Educational Psychology Robert Wendell Eaves, Ed.D., Professorial Lecturer in Education August Gottlieb Eckhardt, A.B., LL.M., Assistant Professor of Law Carey DeWitt Eldridge, Ph.D., Assistant Professor of Romance Lan-

Raymond Pugh Eyman, C.E., Associate Professor of Civil Engineering Donald James Farage, A.B., LL.B., Associate Professor of Law Lawrence Daniel Folkemer, Ph.D., Associate Professor of Religion James Harold Fox, A.M., Ed.D., Professor of Education William Thomas Fryer, A.B., LL.B., J.D., Professor of Law Charles Edward Gauss, Mus.B., Ph.D., Associate Profesor of Philosophy

Harold Loran Geisert, Ph.D., Professor of Sociology

Wood Gray, Ph.D., Professor of American History Charles Edward Greeley, B.S. in M.E., Assistant Professor of Mechanical Engineering

Bernard Louis Greenberg, A.B., Associate in English Bruce Douglas Greenshields, B.S. in C.E., C.E., M.S. in C.E., Ph.D.,

Professor of Civil Engineering Fred Latimer Hadsel, Ph.D., Lecturer in Political Science James Herrick Hall, A.M., Lecturer in Education

Paul Edward Hanchett, Ph.D., Assistant Professor of Economics Ira Bowers Hansen, Ph.D., Professor of Zoology

James Willard Harkness, B.S., Ed.M., Instructor in Chemistry

Murray Hartman, M.S. in Ed., Instructor in English

George Francis Henigan, Ph.M., Assistant Professor of Speech Julia Elizabeth Hicks, A.M., Instructor in Spanish

Jane Frost Hilder, A.M., Lecturer in Education Averett Howard, A.M., Assistant Professor of English

Thelma Hunt, Ph.D., M.D., Professor of Psychology

Burnice Herman Jarman, A.M., Ed.D., Professor of Education Joe Lee Jessup, M.B.A., Professorial Lecturer in Business Administra-

William Franklin Jewell III, M.S., Assistant Professor of Geography Arlin Rex Johnson, Ph.D., Professorial Lecturer on Marketing Arthur Frederick Johnson, M.E., Ph.D., Professor of Mechanical Engi-

neering

Everett Herschel Johnson, Ph.D., Associate Professor of Statistics
Joseph Buel Johnson, Ed.D., Lecturer in Education
Francis Edgar Johnston, Ph.D., Professor of Mathematics
Otakar Wenceslaus Kabelac, M.C.E., Assistant Professor of Mechanical
Engineering

Elmer Louis Kayser, Ph.D., LL.D., Professor of European History Louis Clark Keating, Ph.D., Professor of Romance Languages Ralph Dale Kennedy, Ph.D., Professor of Accounting and Business Administration

George Martin Koehl, A.M., Associate Professor of Physics Myron Law Koenig, Ph.D., Professor of Geography Frederick Henry Kohloss, B.S. in M.E., Instructor in Mechanical Engineering

Wolfgang Herbert Kraus, S.J.D., Associate Professor of Political Science James Albert LaHatte, Jr., B.S. in E.E., Associate in Electrical Engi-

Carr Bartleson Lavell, A.M., Assistant Professor of Sociology
Lubin Poe Leggette, A.M., Associate Professor of Speech
Wolfram Karl Legner, Ph.D., Associate Professor of German
Edwin Lewis, M.B.A., Lecturer on Accounting
Calvin Darlington Linton, Ph.D., Associate Professor of English
Colin Mackenzie Mackall, Ph.D., Professor of Chemistry
Charles Ward Macy, Ph.D., Professorial Lecturer in Economics
Nicholas Mandragos, B.S. in C.E., Lecturer in Civil Engineering
Charles Lawrence Marks, A.M., Instructor in Statistics
Florence Marie Mears, Ph.D., Professor of Mathematics
Robert Randal Meijer, Ph.D., Associate Professor of Physics
Leroy Sorenson Merrifield, A.B., LL.B., M.P.A., Professor of Law
Howard Maxwell Merriman, Ph.D., Professor of American Diplomatic
History

Albert Raymond Miller, Jr., A.M., Assistant Professor of Economics
Felicia Miller, A.M., Instructor in Spanish
John Judson Monroe, A.M., Associate in English
Malcolm Richardson Moore, B.E.E., Lecturer in Electrical Engineering
Edith Elizabeth Mortensen, Ph.D., Assistant Professor of Zoology
James Norman Mosel, A.M., Assistant Professor of English
Sam Clark Munson, M.S., Assistant Professor of English
Sam Clark Munson, M.S., Assistant Professor of Biology
Charles Rudolph Naeser, Ph.D., Professor of Chemistry
Nels David Nelson, Ph.D., Assistant Professor of English
Daniel Remsen Norton, Ph.D., Assistant Professor of Chemistry
Roscoe Ralph Oglesby, A.M., Lecturer in Political Science

Thomas Alvin O'Halloran, B.E.E., Lecturer in Electrical Engineering Herman Israel Orentlicher, A.B., LL.B., Associate Professor of Law Richard Norman Owens, Ph.D., C.P.A., Professor of Accounting and

Emma Sue Phelps, A.M., Instructor in Speech
Ewing Lakin Phillips, A.M., Assistant Professor of Psychology
George Pida, B.E.E., Associate in Electrical Engineering
Merle Irving Protzman, Ph.D., Professor of Romance Languages
Lowell Ragatz, Ph.D., Professor of European History
Gretchen Louisa Rogers, Ph.D., Associate Professor of German
Blake Smith Root, B.S., A.M., Ed.D., Associate Professor of Education
Ralph Windsor Ruffner, A.M. Ed.D., Associate Professor of Education
William Frederick Sager, Ph.D., Assistant Professor of Chemistry
Martha Rachel Seabrook, A.B., Associate in English
Edward Henry Sehrt, Ph.D., Professor of German
Ernest Sewall Shepard, A.M., Professor of English
Charles Alfred Shreeve, B.E., M.S., Lecturer in Mechanical Engineering

Dwight Edward Shvtle, Lecturer in Electrical Engineering Waldo Edward Smith, B.E., M.S. in C.E., Professorial Lecturer in Civil

Engineering
Ira Steele, B.B.A., Lecturer on Accounting
Edwin Lockwood Stevens, A.M., Assistant Professor of Speech
Robert Malcolm Stewart, B.S., Instructor in Physics
George Winchester Stone, Jr., Ph.D., Professor of English
Rafael Supervia, Doctor en Derecho, Instructor in Spanish
Edith Shores Surrey, A.M., Instructor in Speech
James Henry Taylor, Ph.D., Professor of Mathematics
Louis Blair Teeter, Ph.D., Assistant Professor of English
Bert Thoms, A.M., Associate in Philosophy
Virginia Sweeney Thurston, A.B., Associate in Speech

John Albert Tillema, Ph.D., LL.M., S.J.D., Professor of Political Science William George Torpey, Ph.D., Lecturer in Political Science Popert Gay Trumbull, B.S. in C.E., Associate Professor of Mechanical

Robert Gay Trumbull, B.S. in C.E., Associate Professor of Mechanical

Engineering

Fred Salisbury Tupper, Ph.D., Professor of English
Curtis Edward Tuthill, Ph.D., Assistant Professor of Psychology
Frederick Burton Tuttle, Ph.D., Professorial Lecturer in Education
Elizabeth June Uelsmann, A.M., Instructor in Spanish
Benjamin Douglass Van Evera, Ph.D., Professor of Chemistry
Alberto Vázquez, Ph.D., Lecturer on Spanish American Literature
Oscar Milton Villarejo, A.B., Instructor in English
Robert Corbin Vincent, Ph.D., Associate Professor of Chemistry
Luverne Crabtree Walker, A.M., Lecturer in Education

Carl Hugo Walther, B.E., M.C.E., Professor of Civil Engineering Francis Bernard Ward, B.S., C.P.A., Lecturer on Accounting Donald Stevenson Watson, Ph.D., Professor of Economics John Wilbur Watson, Jr., Ph.D., Lecturer in English Frank Mark Weida, Ph.D., Professor of Statistics Warren Reed West, Ph.D., Professor of Political Science Thomas Arthur Wiggins, B.S., Associate in Physics Alva Curtis Wilgus, Ph.D., Professor of Latin American History Earl Larkin Williams, A.M., Lecturer in Mathematics Edith Louise Williams, A.M., Associate in English John Todd Wilson, Ph.D., Assistant Professor of Psychology Meredith Chester Wilson, B.S., Lecturer in Education Juanita May Winn, A.M., Lecturer in Education William Adriance Withington, A.M., Instructor in Geography Reuben Esselstyn Wood, Ph.D., Assistant Professor of Chemistry Samuel Nathaniel Wrenn, Ph.D., Professor of Chemistry Kennett William Yeager, Ph.D., Lecturer in Sociology Lawson Edwin Yocum, Ph.D., Professor of Botany Donnell Brooks Young, Ph.D., Professor of Zoology

FEES AND FINANCIAL REGULATIONS

By authorization of the Board of Trustees, the following fees have

been adopted:	
Turrion Fees For each credit hour	\$12.00
ADDITIONAL COURSE FEES In certain courses additional fees such as laboratory and material fees are charged as indicated in the course descriptions. These fees are due with the tuition fee for the course. Breakage of apparatus is charged against the individual student. When breakage is in excess of the normal amount provided for in the laboratory fee, the individual student will be required to pay such additional charges as are determined by the department concerned.	
Wherein the degrees of Associate in Arts is granted	10.00
FEE FOR BINDING MASTER'S THESIS	4.00
Application fee, charged all new applicants for admission, non-refundable Aptitude test fee. Late-registration fee, for failure to register within the designated period Service fee, for late payment of tuition (see "Payment of Fees"). Reinstatement fee, for reinstatement after suspension for delinquency in fees For each examination to qualify for advanced standing, and for each special examination Laboratory checkout fee, charged all students in chemistry and pharmacy courses who fail to check out of the laboratory by the time	5.00 5.00 5.00
set by the instructor. Withdrawal fee, charged all students who preregister and withdraw prior to the day of regular registration	7

Registration in the University entitles each student to the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the use of the University library facilities, except as otherwise designated; (3) medical and hospital services described below. These privileges, with the exception of the issuance of transcripts, cease when the student withdraws or is dismissed from the University.

Medical and Hospital Services.—These services include: (1) three visits by the University physician or surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical opera-

tion, laboratory, or X-ray examinations; (2) hospitalization, including board, medicine, and nursing in the University Hospital for not more than one week during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, one week) is also to be determined by the Director of Health Administration.

The student is allowed, if he so desires, to engage physicians and nurses of his own choice, but when he does so he will be responsible for the fees charged.

This medical benefit does not apply to illness or disability incurred previous to the University term or prior to payment of tuition fees.

PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each session are due in advance at the time of preregistration in the case of former students; at the time of registration in the case of new students.

In exceptional cases, subject to the approval of the Comptroller, the student may sign a contract for the fees for courses which extend throughout one unbroken fifteen-week term, permitting two payments as follows: one-half at the time of registration and one-half on July 29.* The student whose fees are paid between July 30 and August 5 is charged a service fee of \$1.* A student who fails to make this payment by August 5 will be automatically suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of \$5. A suspended student may not be reinstated for the session after one week from the date of suspension. Applications for reinstatement are to be made to the dean of the college, school, or division in which the student is registered.

An auditor pays all fees chargeable to the student registered for credit except the late-registration fee.

WITHDRAWALS AND REFUNDS

Registrations, except for courses which extend throughout one unbroken term of fifteen weeks, are for the session, and no refunds or rebates are allowed, unless the registration is in advance and the course is dropped before the day of registration for the session involved.

A student who preregisters and withdraws prior to the date of regular registration will be charged a withdrawal fee of \$5.

If notice of withdrawal or change in schedule involving courses which extend over an unbroken term of fifteen weeks is received by the dean

^{*} See footnote on page so.

of the college, school, or division concerned on or before July 26,* the second payment will be cancelled or adjusted. Notice to an instructor is not acceptable notice.

In no case will any part of the initial payment of tuition be refunded

because of nonattendance upon classes.

Payments apply only to the session or term for which registration charges are incurred and in no case will these payments be credited to another session or term.

Any student in chemistry who fails to check out of the laboratory on or before the date set by the instructor, unless excused by the instructor, will be charged a laboratory check-out fee of \$2. A student dropping a course before the end of the session or term must check out of the laboratory at the next scheduled laboratory period.

No permission to withdraw and no certificate for work done will be

given a student who has not a clear financial record.

UNIVERSITY REGULATIONS

Students in the Summer Sessions are subject to, and are expected to familiarize themselves with, the University regulations as stated in the general catalogue.

Academic Credit.—The Summer Sessions are an integral part of the University. Academic credit for completed work will be given toward the appropriate degrees in the various colleges and schools of the University in accordance with their separate regulations and requirements.

Residence.—Summer Sessions work may be counted in residence but the candidate for a degree must satisfy the residence requirements of the school or college concerned as stated in the general catalogue.

Amount of Work.—No full-time student may take more than nine credit hours of work during either session; no employed student, more than six hours. By carrying work in both sessions, a full-time student may earn as much as eighteen credit hours; an employed student, twelve hours.

The right is reserved to drop any student whenever, in the interest of the student or the University, the Faculty deems it advisable to do so.

The University is not responsible for the loss of personal property

belonging to a student.

^{*}Students in the Law School registered for courses in the unbroken sixteen-week term may pay their second half of tuition on August 2. The student whose fees are paid between August 3 and August 10 is charged a service fee of \$1. A student who fails to make this payment by 3 and August 10 will be suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of \$5. If notice of withdrawal is received by the Dean of the Law School on or before July 29 the second payment will be cancelled.

The University and its various colleges, schools, and divisions reserve the right to modify or change the requirements, rules, and fees of the University. Such regulations shall go into force whenever the proper authorities may determine and shall apply to every student of the University.

Detailed information concerning admission; scholarship requirements of the individual colleges, schools, and divisions; and requirements for degrees may be obtained from the general catalogue, which is available on request at the Office of the Director of Admissions.

STUDENT LIFE

SOCIAL AND RECREATIONAL PROGRAM OF THE UNIVERSITY

Provision is made for the social and recreational side of student life during the Summer Sessions. The Annual Summer Sessions Party opens the season and is followed by Friday Evening Starlight Dances on the Lisner Terrace. Teas are arranged so that new students will have a chance to become acquainted with their fellow students.

The city of Washington affords a variety of recreational opportunities. Wooded trails for hiking, riding, and picnicking wind through Rock Creek Park

The National Symphony Orchestra presents a series of concerts at the Potomac Watergate nearby.

LIVING ACCOMMODATIONS

Women Students.—Women students under twenty-one years of age who are enrolled for six or more credit hours a session of academic work in the University must have their residences approved by the Director of Activities for Women before their registrations can be completed. In the Hattie M. Strong Residence Hall for Women, single rooms are \$35 a month; double rooms are \$28 a month a person. Applications for rooms should be made well in advance. Forms for application, together with detailed information, may be obtained from the Director of Activities for Women, in Columbian House.

Men Students.—Welling Hall provides double room facilities for 102 students. Dining facilities are available to all residents of this dormitory. Rooms rent for \$24 a month a person. Single and double rooms are provided for 203 students in Draper and Bradley Halls. These are temporary dormitories and residence is restricted to veterans of World War II who are enrolled for a minimum of six credit hours of academic work in the University during a single session of the summer term.

Single rooms are \$17 a month; double rooms are \$13 a month a person. The University maintains a limited number of temporary apartment units for married veteran students and their families, subject to the same requirements for tenancy as above. Application forms for room reservation may be obtained from the Director of Activities for Men, Building R, 2027 H Street NW.

Information concerning private rooming and boarding facilities near the University, for women students twenty-one years of age or older and for men students, may be obtained at the offices of the Director of Activities for Women and the Director of Activities for Men, respectively. The reservation of rooms in private houses must be made by students.

VETERANS EDUCATION

Veterans who wish advice concerning the educational program of the University or the procedure for securing the educational benefits of the GI Bill should consult the Veterans Office, Building Q.

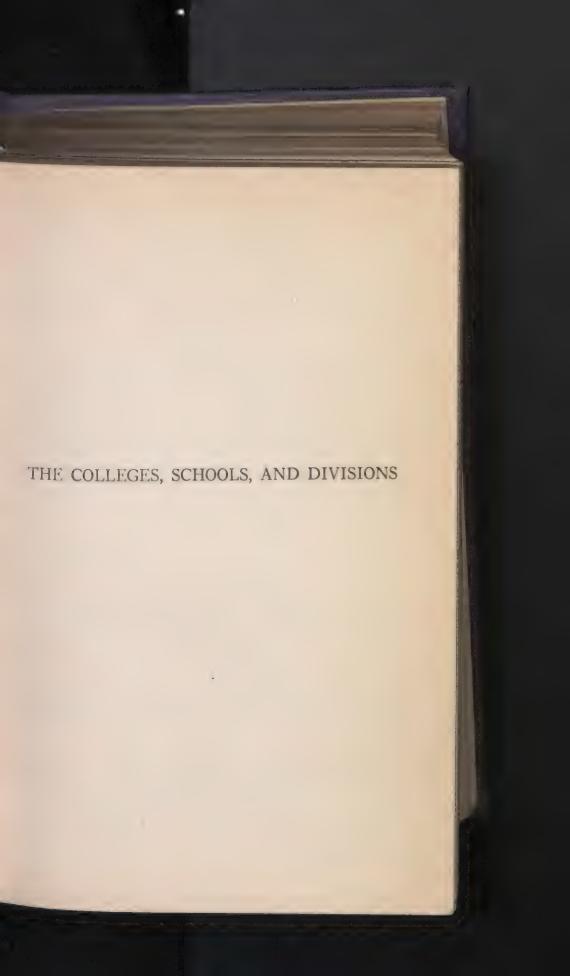
AUTHORIZATION FROM THE VETERANS ADMINISTRATION

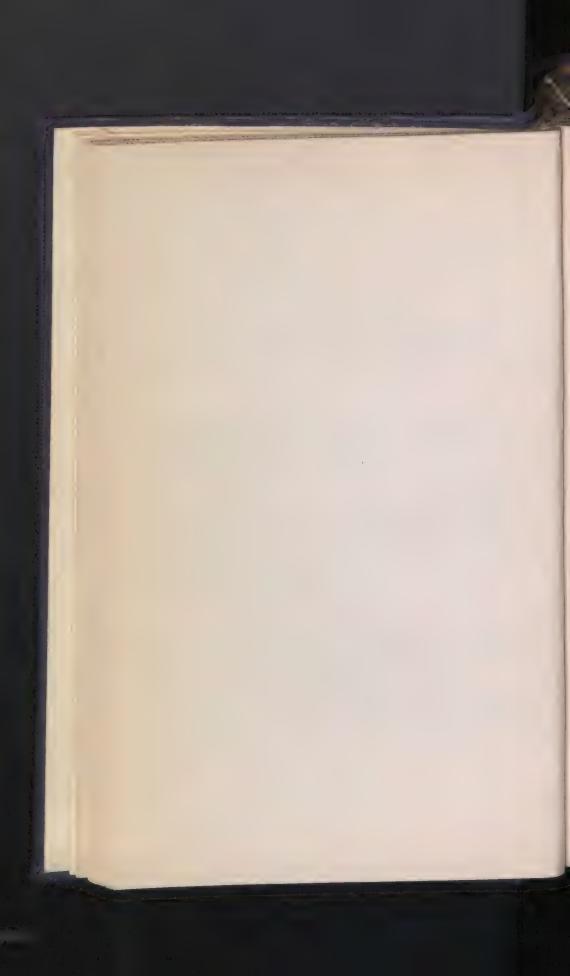
Prior to registration the veteran should obtain from the Regional Office of the Veterans Administration, 1825 H Street NW., a Certificate of Entitlement or, if entitled to vocational rehabilitation, a letter approving training under Public Law 16 for presentation to the Veterans Office of the University at the time of registration. A photostatic copy of separation papers must accompany the application for certification.

ADMISSION

For veterans who are deficient in their regular requirements for admission, but who have been found by educational and psychological tests to be able to undertake college work, the University has made certain modifications in the entrance requirements.

Advanced Standing.—To receive credit for service schools, veterans should submit to the Director of Admissions photostatic copies of service records indicating courses successfully completed with sufficient identification of the course to enable the Admissions Office to locate it in the Guide to the Evaluation of Educational Experience in the Armed Forces.





THE COLLEGES, SCHOOLS, AND DIVISIONS

Information concerning specific requirements for degrees is omitted from this bulletin. For such information, the student is referred to the general catalogue.

THE JUNIOR COLLEGE

The Junior College includes the first two years of college work. Its curricula are intended to continue the studies of a general cultural nature begun in secondary school, and to lay a foundation for the more specialized work which is to follow.

The Junior College also provides the preprofessional work required for admission to the schools of Pharmacy, Education, and Government, and the first two years of the preprofessional work required for admission to the schools of Medicine and Law.

In addition it provides a two-year terminal curriculum in Secretarial Studies and a two-year terminal curriculum in Accounting for students who wish strictly vocational training in these subjects.

THE DEGREE OF ASSOCIATE IN ARTS

The Junior College offers work leading to the degree of Associate in Arts.

ENTRANCE REQUIREMENTS

An acceptable certificate of graduation from an accredited secondary school is required. The acceptability of the certificate depends upon the student's character and the quality of his work.

COLUMBIAN COLLEGE

Columbian College, the senior college of liberal arts and sciences, comprises the work of the junior and senior years and the Master of Arts and Master of Science disciplines.

THE DEGREES

Columbian College offers work leading to the following degrees: Bachelor of Arts, Bachelor of Science, Master of Arts, and Master of Science. In cooperation with the School of Medicine, Columbian College offers work leading to the combined degrees of Bachelor of Arts and Doctor of Medicine.

UNDERGRADUATE MAJORS

Curricula leading to the degree of Bachelor of Arts are available in the following major fields:

American Thought and Civilization
Art:

Appreciation Drawing and Painting

Biology Botany Chemistry Economics English Literature French Literature

Geography

Germanic Languages and Literatures History

International Relations

Latin American Civilization and Culture

Mathematics Philosophy

Physics
Political Science
Psychology
Religion
Sociology

Spanish American Literature

Spanish Literature Speech:

Public Speaking
Theatre
Speech Rehabilitation

Statistics Zoology

Curricula leading to the degree of Bachelor of Science are available in the following major fields:

Biology Botany Chemistry Mathematics Physics Statistics Zoology

GRADUATE FIELDS

Graduate work leading to the degree of Master of Arts or Master of Science is offered in the following fields:

American Literary and Cultural History Bacteriology Biochemistry Riology Botany Chemistry

Economics
English and American Literature
English Literature

French Literature Germanic Languages and Literatures History International Relations

Latin American Civilization and Culture

Latin American Economics

Mathematics Philosophy Physics Physiology Political Science Psychology

Spanish American Literature Spanish Literature

Statistics Zoology

In addition, programs can be arranged in combined fields subject to the approval of the division or divisions concerned.

ENTRANCE REQUIREMENTS

For the Bachelor's degrees, the degree of Associate in Arts based on the appropriate curriculum in the Junior College, or the equivalent, is required. Scholarship requirements may be somewhat higher than those for graduation from the Junior College. For the Master's degrees, an approved Bachelor's degree from an accredited institution and a transcript of studies previously pursued, showing appropriate distribution of courses and a superior quality of work in the major field, are required.

THE GRADUATE COUNCIL

The Graduate Council offers work leading only to the degree of Doctor of Philosophy. Because the basis for work under the Graduate Council is primarily creative research, regular study in specific courses is considered quite incidental and is therefore not emphasized in connection with the curricula of the Summer Sessions. A student wishing to work under the disciplines of the Graduate Council will consult the Chairman of the Graduate Council for information concerning credentials and candidacy.

A pamphlet describing details of the Graduate Council program, together with a current list of fields of research offered by the Council, will be sent upon request to the Office of the Graduate Council.

THE LAW SCHOOL

The Law School offers work leading to the following degrees: Bachelor of Laws, Juris Doctor, Master of Laws, Master of Comparative Law, and Doctor of Juridical Science.

ENTRANCE REQUIREMENTS

For the Degrees of Bachelor of Laws* and Juris Doctor.‡—A Bachelor's degree awarded upon completion of a four-year course in an approved college or university is required.

For the Degree of Master of Laws.*—A Bachelor's degree awarded upon completion of a four-year course in an approved college or university and the degree of Bachelor of Laws from an approved law school are required.

For the Degree of Master of Comparative Law.—The following are required: (1) the successful completion of and graduation from a course in arts, philosophy, letters or sciences, equivalent to graduation from a gymnasium, lycee, or lyceo (junior college); and (2) graduation in law from a recognized foreign university where training was in civil law.

^{*}No less than one-half the work necessary for graduation from an approved college or university will be accepted as satisfying the analysis of the university in continuous attendance since the 1947 winter term registration, (2) applicants for the desired of Barretor of Laws who have completed not less than 20 months of continuous service in the armed forces of the United States during World War II and who enter the Law School prior to the Fall Term of 1949.

will not satisfy the admission requirement for this degree. All pre legal work must be of a quality and distribution acceptable to the University.

For the Degree of Doctor of Juridical Science. The following are required: (1) the degree of Juris Doctor from this Law School; or (2) the degree of Bachelor of Arts from an approved college, the degree of Bachlor of Laws or the equivalent, earned with high rank, from an approved law school, outstanding capacity for scholarly work in the field of law, and acceptance as a candidate by the Committee on Graduate Students of the Law School.

Unclassified Students .- A person eligible for admission to regular standing but not a candidate for a degree may, at the discretion of the

Dean, be admitted as an unclassified student.

A person who is in good standing as a candidate for the degree in another approved law school may, at the discretion of the Dean, be admitted as an unclassified student. Work taken by an unclassified student will not be accepted for credit toward a degree at this Law School.

THE SCHOOL OF ENGINEERING

THE DEGREES

The School of Engineering offers work leading to the following degrees: Bachelor of Civil Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, and Bachelor of Science in Engineering.

ENTRANCE REQUIREMENTS

An acceptable certificate of graduation from an accredited secondary school, or the satisfactory passing of College Entrance Board examinations in secondary school subjects selected with the approval of the Director of Admissions is required.

Nine and one-half of the fifteen units required for entrance must be distributed as follows: three in English, two in algebra, one in plane geometry, one-half in plane trigonometry, one in physics or chemistry, and two in one foriegn language or history. A graduate of an approved high school who does not offer for admission the particular subjects required for the engineering curriculum, but who does present not less than fifteen acceptable units, may be admitted on condition, if such deficiency in the distribution of units does not exceed two units.

THE SCHOOL OF EDUCATION

The School of Education prepares teachers, supervisors, and administrators for educational service and offers opportunities to teachers of experience to extend their education. The schedule of courses is arranged to meet the needs of employed students as well as those able to devote full time to their studies. It offers both graduate and undergraduate work.

THE DEGREES

The School of Education offers work leading to the following degrees: Bachelor of Arts in Education, Bachelor of Science in Home Economics, Bachelor of Science in Physical Education, Master of Arts in Education, and Doctor of Education.

ENTRANCE REQUIREMENTS

For the Bachelor's Degrees.—The satisfactory completion of two years of approved college work, or graduation from an approved two-year normal school, or the equivalent, is required.

For the Master's Degree.—A Bachelor's degree from an accredited college, or the equivalent, and the approval of the Committee on Admissions and Advanced Standing are required.

For the Doctor's Degree.—A Master's degree from an accredited college, or the equivalent, and the approval of the Faculty of the School of Education are required.

THE SCHOOL OF GOVERNMENT

THE DEGREES

The School of Government offers work leading to the following degrees: Bachelor of Arts in Government with a major in Foreign Affairs, Statistics, Accounting, and Business Administration; and Master of Arts in these fields as well as in Government and Economic Policy, Public Administration, Personnel Administration, and Vocational Counseling.

ENTRANCE REQUIREMENTS

For the Bachelor's Degree.—The satisfactory completion of two years of approved college work is required for admission to study for this degree.

For the Master's Degree.—An approved Bachelor's degree based on the proper training for the field selected by the student for graduate study is required.

FOREIGN SERVICE REVIEW COURSE

The University will again offer a twelve-week non-credit Review Course, June 13 to September 2, in preparation for the written Foreign Service Examination to be given by the Department of State on September 12–15, 1949. To be eligible to take this examination, the applicant (1) shall be over 21 and under 30 years of age as of July 1, 1949; (2) shall have been a citizen of the United States for at least 10

years; (3) shall not be married to an alien; (4) shall have an adequate

knowledge of at least one foreign language.

Enrollment in the Foreign Service Review Course is limited and admission is on a competitive basis. Applicants must have a Bachelor's degree in the field of the social sciences and a superior academic record. Only in exceptional cases is admission granted to college seniors and graduates in other fields.

Application for admission must be received by May 20, 1949.

The cost of this course, including library and medical facilities and other privileges of the University, is \$216, which in the case of veterans is covered by the educational benefits of the GI Bill.

For further information and application forms, write to the Director,

Foreign Service Review Course, School of Government.

THE DIVISION OF UNIVERSITY STUDENTS

The Division of University Students makes the work of the University, in its several colleges and schools, accessible to students 21 years of age or over who are not working toward a degree in this University.

Candidates for degrees in other colleges and universities attending the Summer Sessions of the University are registered in the Division of

University Students.

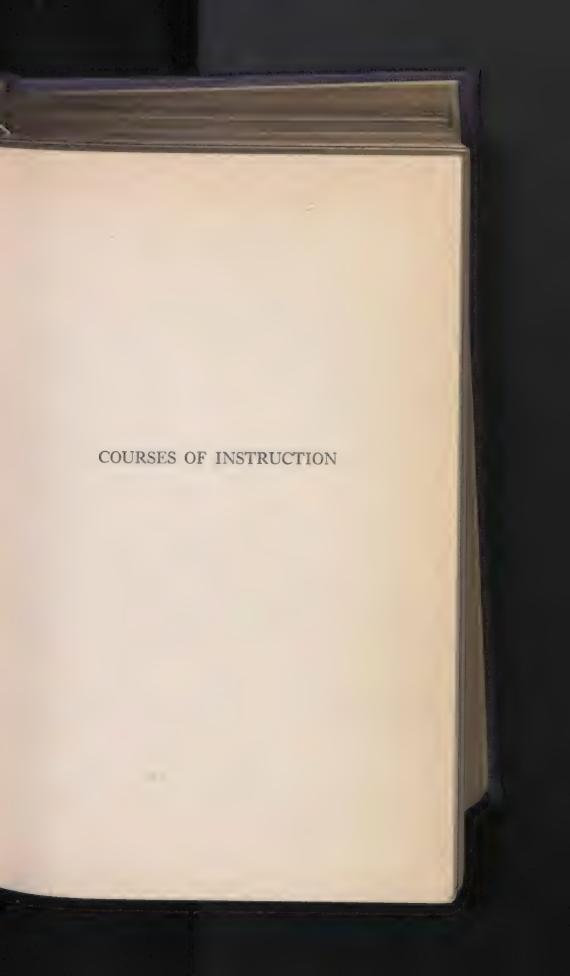
Adequate preparation to undertake the desired courses is required.

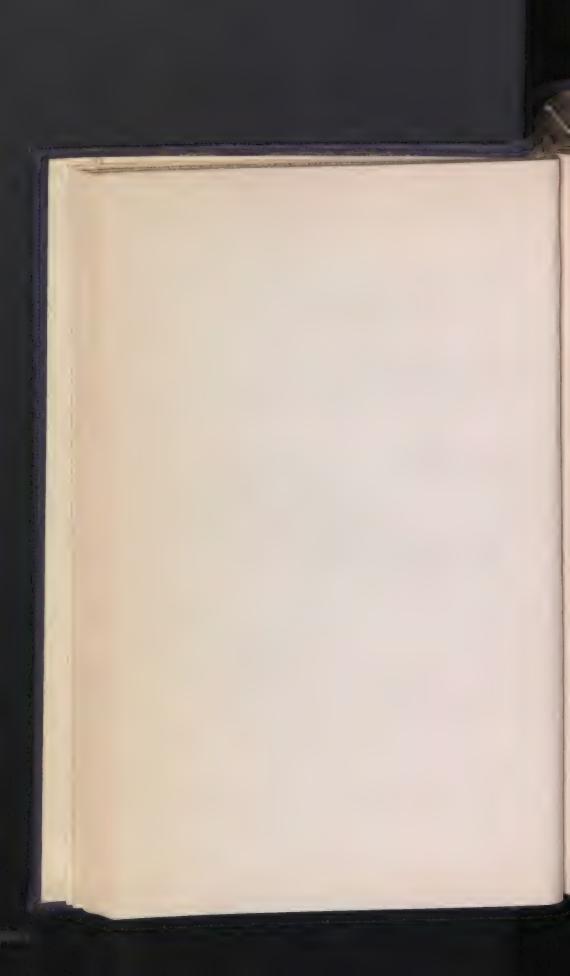
THE DIVISION OF SPECIAL STUDENTS

This is a non degree-granting division of the University in which the Director of Admissions may authorize the placement of students in the process of making up entrance deficiencies to degree-granting colleges and schools of the University.

Complete credentials must be submitted and evaluated before a pro-

gram of studies is approved.





COURSES OF INSTRUCTION

EXPLANATION OF COURSE NUMBERS

An odd number preceding the name of the course indicates that the course is offered in the first session; an even number, that it is offered in the second session. The letter "x" following an odd number (e.g., 5x) indicates that the course, normally given in the first session, is given in the second session. The letter "x" following an even number (e.g., 6x) indicates that the course, normally given in the second session, is given in the first session. The letter "S" following the number of a course indicates that the course is given in one term of fifteen weeks.

First-group courses.—Courses numbered from 1 to 100, are planned for the student in the freshman or sophomore year. With the approval of the adviser and the dean, they may also be taken by a junior or senior. In certain instances, they may be taken by a graduate student to make up undergraduate deficiencies or as prerequisite to advanced courses, but

they may not be credited toward a higher degree.

Second-group courses.—Courses numbered from 101 to 200, are planned for the student in the junior or senior year. They may be credited toward higher degrees only when registration for graduate credit has been approved at the beginning of the course by the dean responsible for the graduate work and by the officer of instruction, and when the completion of additional work has been certified by the officer of instruction.

Third-group courses.—Courses numbered from 201 to 300, are planned primarily for the graduate student. They are open, with the approval of the officer of instruction, to the qualified senior; they are not open to the Junior College student.

INDICATION OF THE AMOUNT OF CREDIT

The number of hours of credit given for the satisfactory completion of a course is in most cases indicated in parentheses after the name of the course.

The University reserves the right to change or withdraw any of the courses of instruction listed.

BIOLOGY *

FIRST SESSION

A review of the plant and animal kingdoms with emphasis upon the interdependence of living things. Material fee, \$4.50. Lecture—Tues. and Thurs., 9:10 A.M.; laboratory—Tues. and Thurs., 10:10 to 12:00 A.M.; field trips—Wed. and Fri., 9:10 to 12:00 A.M.

Bowman 115 Cytology (3) Study of plant and animal cells and their components, including the chromosomes and their role in heredity, with training in the preparation of materials for study. Material fee, \$6. Prerequisite: one year of college work in Biology, Botany, or Zoology. Lecture—Mon. and Wed., 2:10 P.M.; laboratory—Mon. and Wed., 3:10 to 5:00 P.M. and Tues. and Thurs., 2:10 to 4:00 P.M.

127 Genetics (3) A one-term lecture course in which the general principles are illustrated with specific examples of inheritance in plants and animals, including man. Prerequisite: one year of college work in Biology, Botany, or Zoology. 8:00 A.M.

211 Research in Cytology Hours and credits to be arranged. Bowman

299 Thesis (3)

Bowman

SECOND SESSION

Munson 2 Survey in Biology (3) A review of the fields of evolution and heredity, public health, and conservation of natural resources. Material fee, \$4.50. Lecture-Tues. and Thurs., 9:10 A.M.; laboratory—Tues. and Thurs., 10:10 to 12:00 A.M.; field trip—Wed. and Fri., 9:10 to 12:00 A.M.

BOTANY I

FIRST SESSION

I Structure and Function of the Flowering

Yocum

Plant § (3) The typical plant as a working mechanism, with the emphasis on the general biological significance of plant physiology. Material fee, \$4.50. Section A: lecture—Tues. through Fri., 9:10 A.M.; laboratory—Tues. and Thurs., 2:10 to 4:00 P.M. Section B: lecture—Tues. through Fri., 11:10 A.M.; laboratory—Tues. through Fri., 12:10 to 1:00 P.M.

105 Field Botany (3) Field trips, laboratory and classroom study of the local flora. Pre-requisite: Botany 1 and 2 or Biology 1-2. Lecture—Thurs., 6:10 P.M. and Sat., 1:10 P.M.; laboratory—Thurs., 7:10 to 9:00 P.M. and Sat., 2:10 to 4:00 P.M.; trip-Sat., 9:10 to 12:00 A.M.

See also the departments of Botany and Zoology.
 See also the departments of Biology and Zoology.
 Botany t and z are prerequisite to all other courses in Botany.

295 Research
Hours and credits to be arranged.

The Staff

299 Thesis (3)

The Staff

SECOND SESSION

- 2 Survey of the Plant Kingdom * (3)
 Study of the different kinds of plants with emphasis on the evolution of the plant kingdom; practice in identifying flowering plants. Material fee, \$4.50. Section A: lecture—Tues. through Fri., 9:10 A.M.; laboratory—Tues. and Thurs., 2:10 to 4:00 P.M. Section B: lecture—Tues. through Fri., 11:10 A.M.; laboratory—Tues. through Fri., 12:10 to 1:00 P.M.
- 296 Research
 Hours and credits to be arranged.

The Staff

300 Thesis (3)

The Staff

BUSINESS ADMINISTRATION

- 51 Introductory Accounting (3) The Staff
 Principles and procedures of double-entry accounting with special
 reference to single proprietorships. Section A: 9:10 A.M.; section B:
 7:10 P.M.
- 52x Introductory Accounting (3) The Staff
 Accounting principles applied to partnerships and corporations; the
 valuation problem. Prerequisite: Business Administration 51. 6:10
 P.M.
- 101 Business Organization and Combination (3) Ward Simple and interrelated forms of business enterprise and their control by government. 6:10 P.M.
- Steele
 Survey of financial policies involved in new enterprises and study of capital structures, promotion, earnings, surplus, reorganization, and governmental regulation. Prerequisite: Business Administration 51-52.
 7:10 P.M.
- Principles of property, life, marine, and casualty insurance; emphasis is placed upon the function of insurance in the economic life of a business or individual. 9:10 A.M.
- Job order and process systems of cost findings; interrelations of the cost records and the general accounts; standard costs; distribution costs. Prerequisite: Business Administration 51-52. 7:10 A.M.

^{*} Botany s and s are prerequisite to all other courses in Botany.

- 151 Intermediate Accounting (3) Lewis, Ward Partnerships, corporations, funds, reserves, depreciation, and valuation. Prerequisite: Business Administration 51-52. Section A: 9:10 A.M.; section B: 6:10 P.M.
- 153 Advanced Accounting (3)

 Consolidated statements, liquidations, and receiverships. Prerequisite:
 Business Administration 151-52. Section A: 11:10 A.M.; section B:
 7:10 P.M.
- Technique of analyzing financial statements (3)

 Technique of analyzing financial statements for the guidance of operating executives, directors, stockholders, and creditors; valuation of balance sheet items; determination and interpretation of ratios. Prerequisite: Business Administration 51-52. 10:10 A.M.
- Tax problems which confront business enterprise: income, capital stock, payroll, and excise taxes. Prerequisite: Business Administration 51-52. 8:10 A.M.
- 168x Sales Management (3)
 Organization of the sales department, sales planning and forecasting, quotas, territories, performance standards, and analysis and control of distribution costs. 7:10 P.M.
 - 169 Advertising Principles (3)
 Advertising as a function of marketing and merchandising; evaluation, purchase, criticism, and control of advertising; uses and limitations of advertising as a tool of management. 7:10 A.M.
 - 171 Principles of Marketing (3)

 A survey of marketing, giving particular attention to consumption retailing, wholesaling, and sales management; the entire marketing structure and its relation to the total economy. 8:10 A.M.
 - Corporation Financial Problems (3)

 Financial practice in promotion, consolidations and mergers, capital structure adjustments, and reorganization. Tues. and Wed., 6:10 to 8:00 P.M.

- Fix Introductory Accounting (3) The Staff Principles and procedures of double-entry accounting with special reference to single proprietorshops. 6:10 P.M.
 - Accounting principles applied to partnerships and corporations; the valuation problem. Prerequisite: Business Administration 51. Section A: 9:10 A.M.; section B: 7:10 P.M.
- Survey of labor policies and methods of business enterprises. 10:10

- Survey of finance (3)

 Survey of financial policies involved in new enterprises and study of capital structures, promotion, earnings, surplus, reorganization, and governmental regulation. Prerequisite: Business Administration 51-52.
 - 136 Business Problems (3)

 Survey of business forecasting, purchasing, and other current business problems. Prerequisite: Business Administration 51-52 and Economics 1-2. 7:10 P.M.
- 152 Intermediate Accounting (3) Owens, Lewis
 Partnerships, corporations, funds, reserves, depreciation, and valuation.
 Prerequisite: Business Administration 151. Section A: 9:10 A.M.;
 section B: 6:10 P.M.
- 155x Analysis of Financial Statements (3)

 Technique of analyzing financial statements for the guidance of operating executives, directors, stockholders, and creditors; valuation of balance sheet items; determination and interpretation of ratios. Prerequisite: Business Administration 51-52. 7:10 P.M.
- Duties and responsibilities of the auditor, principles and procedures in making audita, arrangement of working papers and the preparation of reports. Prerequisite: Business Administration 151-52 or permission of instructor. 7:10 A.M.
- 291x Seminar in Business Administration (3) Tues, and Wed., 6:10 to 8:00 P.M.

CHEMISTRY

- This course is the first half of a full course. The second half, Chemistry 12, must be completed before credit is allowed. Laboratory fee, \$12. Lecture—Tues. through Fri., 10:10 A.M. Laboratory—section K: Tues. through Fri., 8:10 to 10:00 A.M.; section M: Tues. through Fri., 1:10 to 3:00 P.M. Recitation—section K: Tues. and Thurs., 11:10 A.M.; section M: Tues. and Thurs., 3:10 P.M. A student registers for the lecture, and for laboratory and recitation sections of the same letter designation.
 - 21 Qualitative Inorganic Analysis (4) Vincent, Wood Theoretical and practical study of methods of separating and identifying the more common cations and anions using semi-micro techniques. Prerequisite: Chemistry 12. Laboratory fee, \$12. Lecture—Tues. through Fri., 1:10 P.M. Laboratory—section K: Tues. through Fri., 9:10 to 12:00 A.M.; section M: Tues. through Fri., 2:10 to 5:00 P.M.

[†] A dagger preceding an odd-numbered course indicates that it is the first half of a full-year source, the second half of which must be completed before credit is allowed.

- 135 Inorganic Chemistry: Preparations (2) Naeser Application of the technique of inorganic chemistry to the preparation and purification of a list of selected substances. Prerequisite: Chemistry 111-12 and 152. Laboratory fee, \$14. Morning and afternoon sections, hours to be arranged.
- 136x Inorganic Chemistry: Preparations (2)

 Application of the technique of inorganic chemistry to the preparation and purification of compounds of the less common elements obtained from both minerals and commercial sources. Prerequisite: Chemistry 135. Laboratory fee, \$14. Morning and afternoon sections, hours to be arranged.
- Chemistry of the carbon compounds. Semi-micro and macro techniques are employed in the laboratory. Prerequisite: Chemistry 12 and 21. This course is the first half of a full course. The second half, Chemistry 152, must be completed before credit is allowed. Lecture (3), Laboratory (1). Laboratory fee, \$6. Lecture—Mon., Wed., and Fri., 9:10 and 11:10 A.M. Laboratory—section K: Tues and Thurs., 9:10 to 12:00 A.M.; section M: Tues. and Thurs., 2:10 to 5:00 P.M.
 - Research Research by the staff. Open to qualified students with advanced training. Laboratory fee, \$6 a credit hour. Hours and credits to be arranged.

The Staff

299 Thesis (3)
Hours to be arranged. Laboratory fee, \$15.

- Prerequisite: Chemistry (4)
 Prerequisite: Chemistry 11. Laboratory fee, \$12. Lecture—Tues. through Fri., 10:10 a.m. Laboratory—section K: Tues. through Fri., 8:10 to 10:00 a.m.; section M: Tues, through Fri., 1:10 to 3:00 p.m.
 Recitation—section K: Tues. and Thurs., 11:10 a.m.; section M: Tues. and Thurs., 3:10 p.m. A student registers for the lecture, and for the laboratory and recitation sections of the same letter designation.
- Qualitative Inorganic Analysis (4)

 The principles of gravimetric and volumetric analysis. Prerequisite:
 Chemistry 21 or the equivalent. Laboratory fee, \$15. Lecture—
 Tues. through Fri., 1:10 p.m. Laboratory—section K: Tues. through
 Fri., 9:10 to 12:00 A.M.; section M: Tues. through Fri., 2:10 to 5:00
 p.m.
- 152 Organic Chemistry (4)

 A continuation of Chemistry 151. Prerequisite: Chemistry 151.

 Lecture (2), laboratory (2). Laboratory fee, \$12. Lecture—Tues.
 through Fri., 1:10 P.M. Laboratory—section K: Tues. through Fri.,
 9:10 to 12:00 A.M.; section M: Tues. through Fri., 2:10 to 5:00 P.M.

- 155x Organic Chemistry: Preparations (2 or 3) Wrenn
 The synthesis of organic compounds and the application of the technique of organic chemistry to the preparation of pure compounds, using larger amounts and greater refinements than in Chemistry 15152. Prerequisite: Chemistry 22 and 152. Laboratory fee, \$8 a credit hour. Morning and afternoon sections, hours to be arranged.
- 296 Research
 Continuation of Chemistry 295. Laboratory see, \$6 a credit hour.
 Hours and credits to be arranged.
- 300 Thesis (3) The Staff
 Hours to be arranged. Material fee, \$15.

CIVIL ENGINEERING

FIRST SESSION

- 2x Plane Surveying (3) Eyman and Staff
 Principles, methods, and instruments used in surveying, with field
 work. Prerequisite: Trigonometry. Surveying fee, \$8. Tues. through
 Fri., 11:10 A.M.; field work—hours to be arranged.
- 25 Engineering Materials (2)

 Nonmetallic materials, with emphasis on cement. Prerequisite or concurrent registration; Chemistry 12. Mon. through Thurs., 9:10 A.M.
- 141 Graphic Statics (3)
 Greenshields, Finch
 Fundamental principles, analysis of beams, determination of stresses
 in roof trusses and framed bents. Prerequisites: Civil Engineering
 123. Drafting-room fee, \$1. Lecture: Mon., Tues., Wed., and Fri.,
 1:10 P.M. Drafting-room—Mon. and Fri., 2:10 to 5:00 P.M.

- 26 Engineering Materials (2)

 Metallic materials, with emphasis on iron and steel. Prerequisite or concurrent registration: Chemistry 12. Mon. through Thurs., 9:10
- 140 Materials and Hydraulics Laboratory Finch, Colony
 (2)
 Determination of the properties of materials by mechanical tests, and a study of the flow of fluids. Prerequisite: Civil Engineering 123 and 136; prerequisite or concurrent registration: Civil Engineering 26.
 Laboratory fee, \$6. Section A: Tues. and Thurs., 1:10 to 4:00 p.m.; section B: Tues. and Thurs., 8:10 to 11:00 p.m.
- 142 Bridge Stresses (3)

 Determination of stresses in modern types of bridge trusses. Prerequisite: Civil Engineering 141. Drafting-room fee, \$1. Lecture:
 Mon., Tues., Wed., and Fri., 1:10 P.M. Drafting-room—Mon. and
 Fri., 2:10 to 5:00 P.M.

- The principles and Teaching (3)
 The principles and practices of good teaching. Mon. through Thurs.,
 9:10 A.M.; field work: four hours to be arranged.
- 122 School and Society (3) Wilson Organization and operation of schools; principles and functions. Mon. through Thurs., 5:10 P.M.; field work: four hours to be arranged.

PRE-SESSION

June 13 to July 1

- Review of recent literature and practices; particular attention to Education for all American Children, the recent report of the Educational Policies Commission, 9:10 to 11:00 A.M.; conference hour—11:10 A.M.
- Root
 Review of recent literature and practices; particular attention to Education for All American Youth, the recent report of the Educational Policies Commission, and General Education in a Free Society, the Harvard Committee. 9:10 to 11:00 A.M.; conference hour—11:10 A.M.
- Organization of public education, sources of school revenue, influences of national and state agencies: local administrative units, the chief legal controls, criteria of building administration; responsibilities of teachers. 9:10 to 11:00 A.M.; conference hour—11:10 A.M.

SPECIAL SIX-WEEK SESSION

July 5 to August 12

- Determination of children's needs and interests, providing for individual differences, evaluation of classroom practices. 8:00 to 9:00 A.M.; conference hour—Mon. and Wed., 10:20 A.M.
- Study of levels, needs, materials, and corrective methods. Demonstrations and observations with clinic cases. 9:10 to 10:10 A.M.; conference hour—Tues. and Thurs., 10:20 A.M.
- 211 Evaluation in Education (3)

 Nature, functions, and techniques. 11:30 A.M. to 12:30 P.M.; conference hour—10:10 A.M.
- 217 Contemporary Problems in Education (3) Jarman
 Designed to help students formulate a personal philosophy of education. 8:00 to 9:00 A.M.; conference hour—Tues. and Thurs., 10:10

- 231 Secondary School Classroom Procedures (3)

 Survey of current classroom practices with particular attention to teaching aids, review of recent literature. 9:10 to 10:10 A.M.; conference hour—Mon. and Wed., 10:20 A.M.
- Purposes; organization; core programs; guidance; developing courses of study. 10:20 to 11:20 A.M.; conference hour—Tues. and Thurs., 11:30 A.M.
- 256 Secondary Education (3)

 Current problems in each of the subject-matter fields. 11:30 A.M. to
 12:30 P.M.; conference hour—Tues. and Thurs., 10:20 A.M.
- 272 School Supervision (3)

 Nature, organization, human relationships, and techniques. 10:20 to 11:20 A.M.; conference hour—Tues. and Thurs., 9:10 A.M.
- 280 Adult Education (3)

 Interests, needs, and capacities of adult learners; techniques employed in motivating and directing learning activities. Tues. and Thurs., 6:40 to 9:00 P.M.; conference hour—Tues. and Thurs., 6:00 P.M.
- 285 Extra-classroom Activities (3)
 Home-room functions, student self-government, clubs, assemblies, school publications. Mon. and Wed., 6:40 to 9:00 P.M.; conference hour—Mon. and Wed., 6:00 P.M.
- 295 Educational Research Methods and Procedures (3) Fox Required of all Master's candidates following Plan 2, 1:00 to 2:00 P.M.; conference hour—Mon. and Wed., 2:10 P.M.
- 297 Reading in Education (1) The Staff
 To assist those preparing for the comprehensive examination. No
 credit toward degree requirements. 2:10 P.M.

Psychology 227 Seminar: Education and Vocational Dreese
Guidance (3)

An introduction to the techniques of educational and vocational guidance and the application of these procedures in various types of guidance agencies. Prerequisite: Educational or psychological measurements. 10:20 to 11:20 A.M.

299-300 Thesis (3-3)

The Staff

POST-SESSION

August 15 to September 2

The principal as a school and community leader. Problems of supervision, course of study development, parent relations. 9:10 to 11:00 A.M.; conference hour—11:10 A.M.

- 233 Audio-visual Education (3)
 Selection and use of audio-visual aids; management of materials and equipment. Material fee, \$5. Lecture 9:10 to 11:00 A.M.; laboratory 2:10 to 4:00 P.M.; conference hour—11:10 to 12:00 A.M.
- Scope; needs; organization of the program; services to students, the instructional staff, and the administration; personnel needed for the program. 9:10 to 11:00 A.M.; conference hour—11:10 A.M.

ELECTRICAL ENGINEERING

FIRST SESSION

- 9 Elements of Electrical Engineering (3)

 Magnetic and electrical circuits; direct-current instruments and machines. Prerequisite: Physics 7; prerequisite or concurrent registration: Mathematics 20. Section A: 11:10 A.M. to 12:10 P.M.; section B: 6:10 to 7:10 P.M.
- For the student not majoring in electrical engineering. Experiments in direct-current circuits, instruments, and machinery. Prerequisite: Electrical Engineering 10. Laboratory fee, \$6. Section A: Mon. and Thurs., 1:10 to 4:00 p.m.; section B: Tues. and Fri., 1:10 to 4:00 p.m.; section D: Tues. and Fri., 8:10 to 11:00 p.m.;
- For the student majoring in electrical engineering. A course in measurements and direct-current dynamo laboratory. Prerequisite: Electrical Engineering 10. Laboratory fee, \$6. Section A: Mon. and Thurs., 1:10 to 4:00 P.M.; section B: Tues. and Fri., 1:10 to 4:00 P.M.; section C: Mon. and Thurs., 8:10 to 11:00 P.M.; Section D: Tues. and Fri., 8:10 to 11:00 P.M.
- 107 Alternating-Current Circuits (3)
 Alternating-current-circuit theory. Extensive consideration is given to harmonic analysis and to the study of harmonics in both single-phase and polyphase circuits. Prerequisite: Electrical Engineering 10. 6:10 to 7:10 P.M.
- Alternating-Current Laboratory (2) The Staff
 A continuation of Electrical Engineering 105-6, with experiments on
 alternating-current circuits, instruments, and machinery. Prerequisite:
 Electrical Engineering 106 and 108. Laboratory fee, \$6. Section A:
 Mon. and Thurs., 1:10 to 4:00 P.M.; section B: Tues. and Fri., 1:10
 to 4:00 P.M.; section C: Mon. and Thurs., 8:10 to 11:00 P.M.; section
 D: Tues. and Fri., 8:10 to 11:00 P.M.

SECOND SESSION

10 Elements of Electrical Engineering (3) Ames
Alternating-current circuits, instruments, and machines. Prerequisite:
Electrical Engineering 9. Section A: 11:10 A.M. to 12:10 P.M.; section B: 6:10 to 7:10 P.M.

- 14 Electrical Laboratory (2)

 A continuation of Electrical Engineering 13 with experiments in alternating-current circuits, instruments, and machinery. Laboratory fee, \$6. Section A: Mon. and Thurs., 1:10 to 4:00 P.M.; section B: Tues. and Fri., 1:10 to 4:00 P.M.; section C: Mon. and Thurs., 8:10 to 11:00 P.M.; section D: Tues. and Fri., 8:10 to 11:00 P.M.
- Same as Electrical Engineering 105. Laboratory fee, \$6. Section A:
 Mon. and Thurs., 1:10 to 4:00 P.M.; section B: Tues. and Fri., 1:10
 to 4:00 P.M.; section C: Mon. and Thurs., 8:10 to 11:00 P.M.; section D: Tues. and Fri., 8:10 to 11:00 P.M.
- Synchronous generators and motors, transformers, and mercury are rectifiers. Prerequisite: Electrical Engineering 107. 6:10 to 7:10 P.M.
- Theory of resonance, linear networks, transmission lines and filters.

 Prerequisite: Electrical Engineering 107. 5:10 to 6:10 P.M.
- Advanced Network Laboratory I (2)

 A laboratory course associated with Electrical Engineering 118.

 Laboratory fee, \$6. Tues. and Fri., 8:10 to 11:00 P.M.
- 134 Alternating-Current Laboratory (2) The Staff
 Continuation of Electrical Engineering 133. Laboratory fee, \$6.
 Section A: Mon. and Thurs., 1:10 to 4:00 P.M.; section B: Tues. and
 Fri., 1:10 to 4:00 P.M.; section C: Mon. and Thurs., 8:10 to 11:00
 P.M.; section D: Tues. and Fri., 8:10 to 11:00 P.M.

ENGLISH *

- A English Practice (3)

 Instruction, drill, and exercises in grammar, vocabulary, spelling, and mechanics in general; instruction and exercises in composition and reading. This course is designed to prepare students for English 1. Section A: 9:10 A.M.; section B: 7:10 P.M.
- Review of grammar, exercises in composition, study of prose essays. Section A: 8:10 A.M.; section B: 9:10 A.M.; section C: 10:10 A.M.; section D: 7:10 P.M.
- Continuation of English 1. Section A: 8:10 A.M.; section B: 9:10 A.M.; section C: 10:10 A.M.; section D: 11:10 A.M.; section E: 6:10 P.M.

[•] English 1-2 is prerequisite to English 51-52, 71-72, and 01-92.

Students registered in English 1 are tested in the minimum essentials of standard usage, vocabulary, writing skill, and reading speed and comprehension. Those students who show marked superiority may, upon passing of further tests, be exempted from one or both terms of the Freshman English course; those who show deficiencies will be assigned to English A.

- 9 Sophomore Composition (3)

 A study of types of expository writing with weekly exercises. Prerequisite: English 1-2. 9:13 A.M.
- 51 Introduction to English Literature (3) Shepard, Mowry A historical survey. Section A: 9:10 A.M.; section B: 6:10 P.M.
- 71 Introduction to American Literature (3) Coberly, Cole A historical survey. Section A: 10:10 A.M.; section B: 5:10 P.M.
- 91 Introduction to European Literature (3) Shepard Consideration of various types. 8:10 A.M.
- 126x The Appreciation of Literature (3)

 Stone
 The study of the principles of criticism and their application to various literary types. 5:10 P.M.
- 129 Elizabethan Nondramatic Literature (3) Tupper Nondramatic literature from 1485 to 1603. Prerequisite: English 51-52, 71-72, or 91-92. 9:10 A.M.
- 141 The Neoclassical Movement (3) Stone
 Poetry and prose from 1660 through the mid-eighteenth century. Prerequisite: English 51-52, 71-72, or 91-92. 7:10 P.M.
- 161 Victorian Literature (3)
 Poetry from 1830 to 1900. Prerequisite: English 51-52, 71-72, or 91-92. 11:10 A.M.
- 175 The American Drama (3) Cole
 Reading and analysis of significant plays, from the beginnings to the
 present day. A condensation of English 175-76, as announced in
 the general catalogue. 6:10 P.M.
- 177 The American Novel (3)

 Chronological development of fiction from the beginnings through the 1920's. A condensation of English 177-78, as announced in the general catalogue. 11:10 A.M.
- 183 The English Drama (3)

 Concerned principally with the drama of Shakespeare's contemporaries. 10:10 A.M.
- 222x The Age of Chaucer (3) Stone

A English Practice (3)
Section A: 11:10 A.M.; section B: 6:10 P.M.

The Staff

- IX Freshman English * (3)

 Review of grammar, exercises in composition, study of prose essays.

 Section A: 11:10 A.M.; section B: 6:10 P.M.
- 2 Freshman English (3) The Staff
 Continuation of English 1. Section A: 8:10 A.M.; section B: 9:10
 A.M.; section C: 10:10 A.M.; section D: 7:10 P.M.
- 9x Sophomore Composition (3)

 A study of types of expository writing with weekly exercises. Prerequisite: English 1-2. 10:10 A.M.
- 10 The Short Story (3) Howard
 A study of the modern short story, with exercises in narrative writing.
 Prerequisite: English 1-2. 9:10 A.M.
- 52 Introduction to English Literature (3) Linton, Day A historical survey. Section A: 9:10 A.M.; section B: 6:10 P.M.
- 72 Introduction to American Literature (3) Bolwell
 A historical survey from the Civil War to the present day. 10:10 A.M.
- 140 The Seventeenth Century (3) Linton Milton. Prerequisite: English 51-52, 71-72, or 91-92. 8:10 A.M.
- 142 The Neoclassical Movement (3) Teeter
 Poetry and prose from 1660 through the mid-eighteenth century. Prerequisite: English 51-52, 71-72, or 91-92. 7:10 P.M.
- 165x Contemporary British Literature (3) Linton
 Poetry, prose, and drama since 1900. Prerequisite: English 51-52,
 71-72, or 91-92. 10:10 A.M.
- 178 Recent American Literature (3)

 Modern trends and significant writers of the 1930's and 1940's. Fiction and drama, including motion pictures. 11:10 A.M.
- 296 History of English Literary Criticism (3) Teeter
 Open to the undergraduate with the approval of the instructor.
 8:10 P.M.

GEOGRAPHY

FIRST SESSION

An introduction to Earth Sciences (3)

An introduction to the sciences dealing with the physical earth, the lithosphere, the hydrosphere, and the atmosphere—with special emphasis upon those elements which most directly affect man's adjustment to his physical environment. 9:10 A.M.

^{*}Students registered in English 1 are tested in the minimum essentials of standard usage, vecabulary, writing skill, and reading speed and comprehension. Those students who show marked superiority may, upon passing of further tests, be exempted from one or both terms of the Freshman English course; those who show deficiencies will be assigned to English A.

- †103 Cartography (3)

 Principles of cartographic drafting; map projections; map and chart planning, design, and construction; uses of maps. Prerequisite: Geography 51-52. Lecture and laboratory—Mon., Tues., and Wed., 7:10 to 9:00 P.M.
 - 123 Economic Geography (3)

 A study of man's economic activities as adjustments to the physical and cultural environments. Prerequisite: Geography 51. 10:10 A.M.
 - 187 Africa (3)
 Physical, political, economic, and regional survey of Africa. 6:10 P.M.
- 215 Geographic Factors in American Foreign
 Policy (3)
 A study of the physical and cultural environments as they affect our relationships with other nations. Tues. and Thurs., 7:10 to 8:25 A.M.

- A study of Geography as human ecology; an analysis of the physical and cultural environments, and of the relationships that exist between these environments and man. 9:10 A.M.
- Principles of cartographic drafting; map projections; map and chart planning, design, and construction; uses of maps. Prerequisite: Geography 51-52 and 103. Lecture and laboratory—Mon., Tues., and Wed., 7:10 to 9:00 P.M.

GERMANIC LANGUAGES AND LITERATURES

FIRST SESSION

The essentials of German grammar, translation of easy prose. Section A: 9:10 A.M.; section B: 6:10 P.M.

Rogers

Cokenias

- 2x First-year German (3)
 Continuation of German 1, 10:10 A.M.
- †3 Second-year German (3)

 Selections from modern German prose, review of grammar. Prerequisite: German 1-2 or two years of high school German. Section A: 11:10 A.M.; section B: 7:10 P.M.
- 4x Second-year German (3)
 Continuation of German 3. 8:10 A.M.

† A dagger preceding on odd-numbered course indicates that it is the first half of a full-year course, the second half of which must be completed before credit is allowed.

- 2 First-year German (3) Legner, Cokenias The essentials of German grammar, translation of easy prose. Section A: 9:10 A.M.; section B: 6:10 P.M.
- †3x Second-year German (3) Selections from modern German prose, review of grammar. Prerequisite: German 1-2 or two years of high school German. 10:10 A.M.
 - Second-year German (3) Legner, Cokenias Continuation of German 3. Section A: 11:10 A.M.; section B: 4 Second-year German (3) 7:10 P.M.

HISTORY •

- 39 The Development of European Civilization Kayser to 1500 (3) Primarily for freshmen. The political, social, economic, and cultural history of the Old World from ancient times through the Middle Ages. 7:00 A.M.
- 71 The Development of the Civilization of the Koenig United States (3) Primarily for sophomores. The political, social, economic, and cultural forces of the United States in their world setting from 1492 to 1865. Mon., Wed., and Fri., 7:00 to 8:25 A.M.
- 130x Nationalism (3) Kayser The historical evolution of modern nationalism. 9:10 A.M.
- 139 Modern Imperialism (3) Ragatz Africa and Europe in the nineteenth and twentieth centuries. 8:00 A.M.
- 147 Economic History of Europe (3)
 A survey from ancient times to the present day. 11:10 A.M. Ragatz
- 181 Diplomatic History of the United States (3) Tendencies toward isolation, expansion, and collectivism; disputes with foreign countries and their settlement; and the activities of the American secretaries of state and diplomatic agents: to the Civil War. 6:10 P.M.
- 182x Diplomatic History of the United States (3) Merriman A continuation of History 181 from the Civil War to the present. 7:10 P.M.

[†] A dagger preceding an odd-numbered course indicates that it is the first half of a full-year course, the second half of which must be completed before credit is allowed.

History 39-40 is prerequisite to courses 150x through 150; History 71-73 to courses 161x through 182x; courses 199 and above require the consent of the instructor.

- 199 Proseminar: The Literature and Method of History (3)
 Limited to majors in history. Hours to be arranged.
- 239 Seminar in European Expansion (3) Ragatz
 Malaya and Australasia in the nineteenth and twentieth centuries.
 Tues. and Thurs., 8:00 to 10:00 P.M.
- 281 Seminar in the Diplomatic History of the Merriman United States (3)
 Mon. and Wed., 8:00 to 10:00 P.M.
- 291 Seminar (3)
 Hours to be arranged.

The Staff

The Staff
For candidates for the Master's degree in history. Hours to be arranged.

- 40 The Development of European Civilization Davison since 1500 (3)

 Primarily for freshmen. The political, social, economic, and cultural history of the Old World from the Age of Exploration to the present.
 7:00 A.M.
- 72 The Development of the Civilization of
 the United States (3)
 Primarily for sophomores. The political, social, economic, and cultural forces of the United States in their world setting from 1865 to
 the present. 8:00 A.M.
- Background of the European state system and of diplomatic practices and relations since 1871, with emphasis on the policies and actions of the great powers and their statesmen. 9:10 A.M.
- 161x Latin American Civilization (3)

 Development of political, economic, social, and institutional affairs of the Ibero-American colonies. 5:10 P.M.
 - 162 Latin American Civilization (3) Wilgus
 A continuation of History 161. 6:10 P.M.
- 173x Representative Americans (3)
 A biographical approach to national history. Some fifty significant and pivotal personalities in the development of the United States in government, business, education, science, religion, journalism, the arts, and social reform. 9:10 A.M.

- 174 Economic History of the United States (3) Gray Main trends in the development of American agriculture, industry, and trade since 1607, with emphasis on tendencies and problems since the Civil War. 10:10 A.M.
- 200 Proseminar: The Literature and Method of The Staff
 History (3)
 Hours to be arranged.
- 244 Conference Seminar in Modern European

 History (3)

 Readings on and informal discussions of major problems in the development of western European institutions and relations of the chief powers since the French Revolution. Hours to be arranged.
- 262 Seminar in Latin American History (3) Wilgus
 Tues. and Thurs., 8:00 to 10:00 P.M.
- 272 Seminar in the Social History of the United Gray States (3)
 Mon. and Wed., 8:00 to 10:00 P.M.
- 292 Seminar (3)
 Hours to be arranged.

 The Staff
- 300 Thesis (3)

 For candidates for the Master's degree in History. Hours to be arranged.

LAW

- 123 Criminal Law and Procedure (4)

 Elements of criminal liability; specific crimes; combinations of percents in crime; criminal procedure. Mon. and Wed., 12 to to 1 00 P.M.;

 Tues., Thurs., and Fri., 11.10 A.M. to 1:00 P.M.
- Introduction to study of substantive and procedural law. Examination of basic concepts with training in method and technique of case law, based upon modern records in state and federal cases and individual practice in the use of law books and legal writing. Importance of language in law and legal reasoning, both apart from and in connection with statutory interpretation and as affected by the use of precedent, under the doctrines of stare decisis, law of the case, and res judicata. Background on development of the English and American legal systems; organization of the judiciary and the bar, stressing enforcement of ethical standards. Mon., Wed., and Thurs., 9:10 to 11:00 A.M.; Tues. and Fri., 9:10 to 10:00 A.M.

- 138x Property II (4) Eckhardt
 Real property; introduction; estates, seisin, landlord and tenant;
 future interests at common law and under the statutes of uses and
 wills; merger; elementary study of remoteness and powers; adverse
 possession; prescription; natural rights. Mon. through Thurs., 5:50
 to 7:40 P.M.
 - 141 Torts (4)
 Civil liability for harms to legally protected interests. Mon. through
 Thurs., 5:50 to 7:40 P.M.
- 231 Equity (4)
 Specific performance of contracts; equitable conversion; statute of frauds; mutuality; conditions; defenses; equitable servitudes; powers of an equity court; effect of decrees, interpleader, bills of peace, cloud on title, rescission and reformation, mistake. Mon., Wed., and Thurs., II: 10 A.M. to 1:00 P.M.; Tues. and Fri., 12:10 to 1:00 P.M.
- Fryer Functions of court and jury; witnesses; hearsay, opinion, and circumstantial evidence; proof of authenticity; and contents of writings. Tues., Wed., and Fri., 9:10 to 11:00 A.M.; Mon. and Thurs., 9:10 to 10:00 A.M.
- 246x Negotiable Instruments (4)
 Bills of exchange, promissory notes and checks, especially under the Negotiable Instruments' Law. Mon. through Thurs., 5:50 to 7:40 P.M.
- 251 Restitution (4)
 Legal remedies for restitution of benefits obtained or conferred by performance of contract; misrepresentation, mistake, and coercion. Tues., Wed., and Thurs., 9:10 to 11:00 A.M.; Mon. and Fri., 9:10 to 10:00 A.M.
- Common Law, Uniform Sales Act and related statutes. Transfer of property interest; specification and appropriation; cash and conditional sales; COD, FOB, and CIF shipments; negotiable bills of lading and warehouse receipts; trust receipts; fraud on seller; retention of possession and bulk sales; remedies of seller and buyer including suit for price, stoppage in transit, seller's warranties; inspection. Tues. and Thurs., 9:10 to 11:00 A.M.
 - Davison
 Legal requirements as to contributions of capital; powers and rights of
 corporations, corporate officials, and shareholders. Tues., Wed., and
 Thurs., 11:10 A.M. to 1:00 P.M.; Mon. and Fri., 10:10 to 11:00 A.M.
- Remedies of unsecured creditors; judgments; fraudulent conveyances; creditors' agreements; equity and statutory receiverships; bankruptcy.

 Mon. through Thurs., 5:50 to 7:40 P.M.

326x Insurance (2)

The insurance device in life, property, and other risks. Mon. and Fri., 11:10 A.M. to 1:00 P.M.

SECOND SESSION

123x Criminal Law and Procedure (4)

Elements of criminal liability; specific crimes; combinations of persons in crime; criminal procedure. Mon. through Thurs., 5:50 to 7:40 P.M.

Real property; introduction; estates, seisin, landlord and tenant: future interests at common law and under the statutes of uses and wills; merger; elementary study of remoteness and powers; adverse possession; prescription; natural rights. Tues., Thurs., and Fri., 9:10 to 11:00 A.M.; Mon. and Wed., 9:10 to 10:00 A.M.

14IX Torts (4)

Farage

Civil liability for harms to legally protected interests. Mon., Tues., Wed., and Thurs., II:10 A.M. to I:00 P.M.

205x Civil Procedure (4)

Burke

Function and composition of pleadings, including their relation to proof. Emphasis is upon reforms, as exemplified by modern code provisions and the Federal Rules of Civil Procedure. Tues., Wed., and Thurs., 9:10 to 11:00 A.M.; Mon. and Fri., 9:10 to 10:00 A.M.

234 Evidence (4)
Functions of court and jury; witnesses; hearsay, opinion, and circumstantial evidence; proof of authenticity; and contents of writings. Mon. through Thurs., 5:50 to 7:40 P.M.

254 Wills (2)

Formation and revocation of wills; testate and intestate succession. Mon. and Fri., 11:10 A.M. to 1:00 P.M.

311x Corporations (4)

Forms of business associations; legal requirements as to contributions of capital; powers and rights of corporations, corporate oficials, and shareholders. Mon. through Thurs., 5:50 to 7:40 P.M.

315x Conflict of Laws (4)

Study of cases involving foreign elements; principals of jurisdiction and limitations upon its exercise; procedure, torts, workmen's compensation, contracts, property, family law, administration of estates, business associations. Tues., Wed., and Thurs., 11:10 A.M. to 1:00 P.M.; Mon. and Fri., 10:10 to 11:00 A.M.

330 Labor Law (4)

Laws applicable to strikes, picketing, boycotts, etc.; organization and representation of employees; negotiation of collective bargaining contracts; inter-union and intra-union relations; settlement of wage disputes (arbitration, mediation, conciliation). Tues., Wed., and Thurs., 9:10 to 11:00 A.M.; Mon. and Fri., 9:10 to 10:00 A.M. History of jurisprudence; schools of jurists, particularly the 19th century schools; sociological jurisprudence; theories of justice; the nature of law; law and morals; law and the state; the scope and subject matter of law; sources and forms of law; the traditional element; analysis of general legal concepts. Mon. through Thurs., 5:50 to 7:40 P.M.

SIXTEEN-WEEK TERM

JUNE 8TH TO SEPTEMBER 27TH

223S Domestic Relations (2)

Marriage, annulment, and divorce: rights of husband and wife; rights of parent and child, infants; conflict of laws involving problems of marriage evasion and migratory divorce. Fri., 5:50 to 7:40 P.M.

The insurance device in life, property, and other risks. Fri., 5:50 to 7:40 P.M.

MATHEMATICS

- 3 College Algebra (3) The Staff
 Prerequisite: one year each of high school algebra and high school
 geometry. Section A: 10:10 A.M.; section B: 7:10 P.M.
- 6x Plane Trigonometry (3)

 The Staff
 Prerequisite: two years of high school algebra and one year of high
 school geometry, or Mathematics 3. Section A: 11:10 A.M.; section B:
 6:10 P.M.
- Prerequisite: Mathematics 6. Section A: 11:10 A.M.; section B: 6:10 P.M.
 - Prerequisite: Mathematics 12. Section A: 9:10 A.M.; section B: 6:10 P.M.
- 20x Integral Calculus (3)
 Prerequisite: Mathematics 19. Section A: 10:10 A.M.; section B: 7:10 P.M.
- 132x Differential Equations (3)
 Prerequisite: Mathematics 20. Section A: 10:10 A.M.; section B: 7:10 P.M.
- 139 Advanced Calculus (3) Mears
 Prerequisite: Mathematics 20. 9:10 A.M.

- 3x College Algebra (3)

 Prerequisite: one year each of high school algebra and high school geometry. Section A: 10:10 A.M.; section B: 7:10 P.M.
- 6 Plane Trigonometry (3)

 The Staff
 Prerequisite: two years of high school algebra and one year of high
 school geometry, or Mathematics 3. Section A: 10:10 A.M.; section B:
 7:10 P.M.
- 12 Analytic Geometry (3)
 Prorequisite: Mathematics 6. Section A: 11:10 A.M.; section B: 6:10 P.M.
- 19x Differential Calculus (3)
 Prerequisite: Mathematics 12. Section A: 11:10 A.M.; section B: 6:10 P.M.
- 20 Integral Calculus (3)
 Prerequisite: Mathematics 19. Section A: 9:10 A.M.; section B: 6:10 P.M.
- 123x Theory of Equations (3)
 Prerequisite: Mathematics 20. 9:10 A.M.

 Johnston
- 132 Differential Equations (3)
 Prerequisite: Mathematics 20. 10:10 A.M.

 Taylor
- 171x Vector Analysis (3)
 Prerequisite: Mathematics 20. 7:10 P.M.

MECHANICAL ENGINEERING

- 13 Mechanism (2)

 Prerequisite: Mathematics 19; prerequisite or concurrent registration:
 Mathematics 20. Mon., Tues., Thurs., and Fri., 9:10 A.M.
- Prerequisite or concurrent registration: Mathematics 20. Mon., Tues., Thurs., and Fri., 8:45 to 10:00 A.M.
- Prerequisite: Mechanical Engineering 13-14 and 111-12. Laboratory fee, \$6. Mon., Wed., and Fri., 1:10 to 4:00 P.M.
- 131 Heating, Ventilating, Air Conditioning, and Refrigeration (2)
 Prerequisite: Mechanical Engineering 112. Mon., Tues., Thurs., and Fri., 1:10 P.M.

- 133 Combustion Engines (2) Greeley
 Prerequisite: Mechanical Engineering 112; Civil Engineering 123 and
 136; Electrical Engineering 10. Mon., Tues., Thurs., and Fri.,
 10:10 A.M.
- 139 Fluid Dynamics (3) Kabelac Mon., Tues., Thurs., and Fri., 11:10 A.M. to 12:25 P.M.
- I40x Dynamics of Machinery (3)

 Prerequisite: Mechanical Engineering 115; Civil Engineering 123 and 136. Mon., Tues., Thurs., and Fri., 11:10 A.M. to 12:25 P.M.
 - 189 Proseminar in Mechanical Engineering (1) Bardsley
 Tues. and Thurs., 6:10 P.M.

- 14 Mechanism (2)

 Prerequisite: Mechanical Engineering 13; Mathematics 19. Prerequisite or concurrent registration: Mathematics 20. Mon., Tues., Thurs., and Fri., 9:10 A.M.
- Thermodynamics (3) Cruickshanks
 Prerequisite: Mechanical Engineering 111. Mon., Tues., Thurs., and
 Fri., 8:45 to 10:00 A.M.
- Prerequisite: Mechanical Engineering 13-14 and 111-12. Laboratory fee, \$6. Mon., Wed., and Fri., 1:10 to 4:00 P.M.
- Prerequisite: Mechanical Engineering 8 and 14; Civil Engineering 26. Mon., Tues., Thurs., and Fri., 10:10 A.M.
- 132 Heating, Ventilating, Air Conditioning, and Shreeve Refrigeration (2)
 Prerequisite: Mechanical Engineering 131. Mon., Tues., Thurs., and Fri., 1:10 P.M.
- 190 Proseminar in Mechanical Engineering (1) Bardsley Tues. and Thurs., 6:10 P.M.

PHILOSOPHY

- 51 Introduction to Philosophy (3)

 A critical introduction to the problems of modern philosophy in relation to scientific and social developments since the Renaissance.

 10:10 A.M.
- A history of Philosophy (3)
 A history of philosophy in the western world from 600 B. C. to the Middle Ages. 9:10 A.M.

193 Topics in Contemporary Philosophy: Existen- Gauss tialism (3)

A critical and historical study of the backgrounds in Kierkegaard, Heidegger, and Sartre of the contemporary French literary movement.

SECOND SESSION

- 52 Introduction to Philosophy (3) Thoms
 Continuation of Philosophy 51. Introduction to issues in the philosophy of science and social philosophy. 10:10 A.M.
- From the Middle Ages to Kant. 9:10 A.M.
- 154 The Linguistic Approach to Philosophy (3) Thoms
 A historical and critical study of philosophical doctrines stressing the
 dependence of thought upon language. This course includes a critical
 exposition of the works of the twentieth-century semanticists and
 logical empiricists. Prerequisite: one course in Philosophy or the permission of the instructor. 6:10 P.M.

PHYSICS

FIRST SESSION

- 8x General Physics (3)

 The experimental evidence concerning light waves and quanta, X-rays, and radio waves; electrons, protons, and other elementary particles; atomic and molecular structure; and nuclear physics. Prerequisite: Physics 6 and 7. Section A: 1:10 P.M.; section B: 7:10 P.M.
- Theory and use of the methods of precise measurement in the several fields of physics. Prerequisite: Physics 6 and 7; prerequisite or concurrent registration: Mathematics 19. Material fee, \$6. Section A: Tues. and Thurs., 2:10 to 5:30 P.M.; section B: Wed. and Fri., 2:10 to 5:30 P.M.; section C: Mon., 2:10 to 5:30 P.M.; and Sat., 9:10 A.M. to 12:30 P.M.

SECOND SESSION

Production, propagation, and detection of sound waves; vibrations of sounding bodies; acoustic instruments and acoustic measurements. Prerequisite: Physics 8: Mathematics 20. 5:10 P.M.

FIFTEEN-WEEK TERM

6S General Physics (3)

Mechanics, wave-motion, sound, and the theory of optical instruments.

Prerequisite*: Physics 5; high school algebra and plane geometry.

Material fee, \$6.

Se	ction Lecture Recitation Labore	atory
	MT 11:10 amF 9:10 amF 10:10 an NT 6:10 pmS 9:10 amS 10:10 an PT 11:10 amM 1:10 pmM 2:10 pm RT 11:10 amW 1:10 pmW 2:10 pm	1-12:30 pm 1-12:30 pm 1-4:30 pm 1-4:30 pm 1-10:30 pm
7S General Physics (3) Elementary electricity and magnetism. Prerequisite*; Physics 5, high school algebra and plane geometry. Material fee, \$6.		
Sec	Company Comp	1-12:30 pm 1-4:30 pm
POLITICAL SCIENCE ‡		
FIRST SESSION		
9	Government of the United States ‡ (3) We Fundamental principles of political science and the organization Federal Government. Section A: 8:10 A.M.; section B: 6	ation of the
101	Government of the United States ‡ (3) The organization of state and local governments; relation the Federal Government; the functions of the federal, stat governments in the United States. 10:10 A.M.	Brewer nships with e, and local
III	Governments of Europe (Great Britain, France, and Switzerland) (3) 10:10 A.M.	Kraus
118x	Political Theory (3)	Kraus
121	The Constitution of the United States (3) 9:10 A.M.	West
151	Public Administration (3) 7:10 P.M.	Torpey
181	International Law (3) 9:10 A.M.	Brewer
240x	Seminar: Problems in Personnel Management (3) Tues. and Thurs., 8:10 to 10:00 P.M.	Torpey
281	Seminar: International Law and Relations (3) Mon. and Wed., 8:10 to 10:00 P.M.	Brewer

This prerequisite may be waived for students who have credit for a high school physics course which included indendual laboratory work, providing they pass the qualifying examination given at the dates specified in the University calendar.
 Political Science 9-10 is prerequisite to all other courses in political science.

Mon. and Wed., 8:10 to 10:00 P.M.

- 9x Government of the United States* (3) Oglesby Fundamental principles of political science and the organization of the Federal Government. 10:10 A.M.
- States* (3)

 The organization of state and local governments; relationships with the Federal Government; the functions of the federal, state, and local governments in the United States. Section A: 8:10 a.m.; section B.
- 127x Commercial Law: Contracts, Agency, and
 Bailments (3)
 10:10 A.M.
- 128 Commercial Law: Negotiable Instruments, Tillema
 Property, Sales, Mortgages (3)
 6:10 P.M.
- 129x Law in Relation to the Form of Business
 Units (3)
 11:10 A.M.
- 171x International Politics (3) Stoddart
- 172 International Organization: the United Stoddart
 Nations (3)
 10:10 A.M.
- 182 International Law (3) Oglesby 9:10 A.M.
- 272 Problems in International Politics and Organ- Hadsel izations (3)
 Mon. and Wed., 8:10 to 10:00 P.M.

PSYCHOLOGY

- I General Psychology (3) Tuthill, Mosel
 The fundamental principles underlying human behavior. Section A:
 8:10 A.M.; section B: 6:10 P.M.
- 2x Applied Psychology (3) Wilson
 The applications of psychology in business, industry, medicine, law, guidance, education, and social problems. 9:10 A.M.

Political Science 9-10 is prerequisite to all other courses in political science.
Psychology 1 is prerequisite to all other courses in psychology.

- 22x Introduction to Educational Psychology (3) Wilson Consideration of individual and group differences, adjustments, and the psychology of learning in relation to education and training. 10:10 A.M.
- 98x Abnormal Psychology (3)

 The causes, diagnosis, treatment, and prevention of the various types of maladjustments and mental disorders. 8:10 A.M.
- 131 Psychological Tests (3)

 A survey of psychological tests and their most common uses in business, industry, government, law, medicine, and education. Material fee, \$2.25. Mon., Wed., and Fri., 7:10 to 8:30 P.M.
- 144x Personnel Psychology (3)

 The applications of psychology to personnel work in education, business, industry, and government. Mon., Wed., and Fri., 3:10 to 4:30 P.M.
- Tuthill
 The social Psychology (3)
 The social foundations of attitudes and behavior. Individual adjustment to group situations, such as the family, school, fraternity, and occupation. The psychological bases of race prejudice, nationalism, and war. 9:10 A.M.
- 156x Psychology of Propaganda and Public Opinion Tuthill
 (3)
 Mon., Wed., and Fri., 11:10 A.M. to 12:30 P.M.
 - 193 Readings in Psychology (3)

 Supervised readings on specific topics in psychology; with conferences; for undergraduate majors. Open only to seniors with 18 or more credits in psychology with a quality point index of 3.00 or higher. Special permission of staff member under whom course is to be taken is necessary. Hours to be arranged.
- Supervised field work in Psychology (3)

 The Staff
 Supervised field work in agencies providing psychological service.

 Admission by permission of the Executive Officer of the Department.
- 207 Readings in Psychology for Graduate

 Students (3)

 Supervised readings with conferences on specified topics in psychology.

 Hours to be arranged.
- 223 Seminar: Psychology of Learning (3) Wilson Contemporary theories of learning with a consideration of the systematic concepts and experiments which result from the various theories. Tues. and Thurs., 1:10 to 3:10 p.m.

- The principles underlying test construction; statistical techniques in the construction, evaluation, and standardization of psychological, educational, and vocational tests. Prerequisite: a course in tests and measurements and a course in statistics. Mon. and Wed., 1:10 to 3:10 P.M.
- 246x Seminar: Personnel Measurement Techniques Mosel
 (3)

 Detailed consideration of interviews, personal data analysis, tests, ratings and questionnaires in evaluating employability, job proficiency, and worker morale. Tues, and Thurs., 7:10 to 9:10 P.M.
 - 295 Research in Psychology
 Hours and credits to be arranged.

299 Thesis (3)

The Staff

The Staff

SPECIAL SIX-WEEK SESSION

July 5 to August 12

227 Seminar: Educational and Vocational Guidance (3)

Dreese

An introduction to the techniques of educational and vocational guidance and the application of these procedures in various types of guidance agencies. Prerequisite: educational or psychological measurements. 10:20 to 11:25 A.M.

- Ix General Psychology (3) Phillips,
 The fundamental principles underlying human behavior. Section A: 8:10 A.M.; section B: 7:10 P.M.
- 2 Applied Psychology (3) Caldwell The applications of psychology in business, industry, medicine, law, guidance, education, and social problems. 11:10 A.M.
- 29x Child Psychology (3)
 A genetic approach to the study of the child. 9:10 A.M.

 Phillips
- 98 Abnormal Psychology (3)

 The causes, diagnosis, treatment, and prevention of the various types of maladjustments and mental disorders. 6:10 P.M.
- Contemporary approaches to the study of personality. Mon., Wed., and Fri., 7:10 to 8:30 P.M.

^{*} Psychology 1 is prerequisite to all other courses in psychology.

- 194 Readings in Psychology (3) The Staff Supervised readines on specific topics in psychology; with conferences; for undergraduate nervers. Open only to seniors with 18 or more credits in psychology with a quality-point index of 3.00 or higher. Special permission of staff nender under whom course is to be taken is necessary. Hours to be arranged.
- 196 History and Systems of Psychology (3) Caldwell
 A survey of the contemporary schools of psychology. Prerequisite:
 12 credits in psychology. Mon., Wed., and Fri., 1:10 to 2:30 P.M.
- 206 Field Work in Psychology (3)

 The Staff
 Supervised field work in agencies providing psychological service. Admission by permission of the Executive Officer of the Department.

 Hours to be arranged.
- 208 Readings in Psychology for Graduate

 Students (3)

 Supervised readings with conferences on specific topics in psychology.

 Hours to be arranged.
- 225x Seminar: Mental Hygiene (3) Phillips
 A study of problems in the field of mental health and prevention of
 maladjustments and mental disease. Tues. and Thurs., 1:10 to
 3:10 P.M.
- 228 Seminar: Techniques of Counseling (3) Davis
 A detailed study of counseling techniques and the types of counseling
 problems likely to confront teachers, employee counselors, vocational
 counselors and veterans' advisers. Tues. and Thurs., 7:10 to 9:10 P.M.
- 296 Research in Psychology
 Hours and credits to be arranged.

The Staff

300 Thesis (3)

The Staff

RELIGION

- A study of the literature of the New Testament from the standpoint of occasion, purpose, dominant ideas, and permanent values. Special consideration given to life in the primitive church. II: 10 A.M.
- 60x History of Religions (3)

 A study of Judaism. Christianity, and Islam; analysis of early development, thought, life, institutions, and expansion. Recent issues and trends examined. 6:10 P.M.

ROMANCE LANGUAGES AND LITERATURES *

FIRST SESSION

French *

- †1 First-year French (3) The Staff
 Grammar, composition, translation, pronunciation. Section A: 9:10
 A.M.; section B: 2:10 P.M.; section C: 6:10 P.M.
- 2x First-year French (3) The Staff
 Continuation of French 1. Section A: 10:10 A.M.; section B: 6:10 P.M.
- †3 Second-year French (3) The Staff
 Reading of modern French, grammar review, oral practice. Prerequisite: French 1-2 or two years of high school French. Section A: 8:10
 A.M.; section B: 7:10 P.M.
- 4x Second-year French (3) The Staff Continuation of French 3. Section A: 8:10 A.M.; section B: 7:10 P.M.
- †109 French Conversation and Composition (3) The Staff Section A: 8:10 A.M.; section B: 6:10 P.M.
 - 135 The Modern Novel in France (3)

 An intensive study of the characteristic novels of the nineteenth and twentieth centuries. Le tures, collateral reading, class discussion. 9:10 A.M.

Spanish *

- †1 First-year Spanish (3) The Staff Grammar, composition, translation, pronunciation. Section A: 8:10 A.M.; section B: 2:10 P.M.; section C: 6.10 P.M.
- 2x First-year Spanish (3) The Staff Continuation of Spanish 1. Section A: 9:10 A.M.; section B: 7:12 P.M.
- †3 Second-year Spanish (3)

 Reading of mode a Spanish, erammar review, oral practice. Prerequisite: Spanish 1-2 or (w) years of high school Spanish. Section
 A: 10:10 A.M.; section B: 11:13 A.M.; section C: 6-10 P.M.
- 4x Second-year Spanish (3) The Staff Continuation of Spanish 3. Section A: 9:10 A.M.; section B: 7:12 P.M.
- †109 Spanish Conversation and Composition (3) Supervia Section A: 8:1. A.M.; section B: 7.10 p.m.

A standardized placement examination will be required of all entering students who wish to continue in college the language begin in link school. Upon completion of the examination 285signment will be made to the appropriate or are, will credit the assignment will be made to the appropriate or are, will credit the assignment will be made to the appropriate or are, will credit the assignment will be made to the appropriate or are, will credit the assignment will be used to be a second to the first half of a tail year course, the second half of which must be completed before credit is allowed.

- 135 The Modern Novel in Spain (3)

 An intensive study of the characteristic novels of the nineteenth and twentieth centuries. Lectures, collateral reading, class discussion.

 9:10 A.M.
- The Modernista Movement in Spanish Vázquez

 America (3)
 A sudy of the backgrounds, trends, and personalities of this movement.
 6:10 P.M.
- 154x The Modernista Movement in Spanish Vázquez

 America (3)
 Continuation of Spanish 153, 7:10 P.M.

French *

- 2 First-year French (3) The Staff Continuation of French 1. Section A: 9:10 A.M.; section B: 2:10 P.M.; section C: 6:10 P.M.
- †3x Second-year French (3)

 Reading of modern French, grammar review, oral practice. Prerequisite: French 1-2 or two years of high school French. Section A: 10:10 A.M.; section B: 6:10 P.M.
 - 4 Second-year French (3) The Staff Continuation of French 3. Section A: 8:10 A.M.; section B: 7:10 P.M.
- Section A: 8:10 A.M.; section B: 6:10 P.M.

 The Staff
- 136 The Modern Drama in France (3) Eldridge Reading, analysis, and discussion of typical plays and dramatic trends of the nineteenth and twentieth centuries. Lectures, collateral reading, class discussion. 9:10 A.M.

Spanish *

- The Staff
 Continuation of Spanish 1. Section A: 8:10 A.M.; section B: 2:10
 P.M.; section C: 6:10 P.M.
- †3x Second-year Spanish (3)

 Reading of modern Spanish, grammar review, oral practice. Prerequisite: Spanish 1-2 or two years of high school Spanish. Section
 A: 9:10 A.M.; section B: 7:10 P.M.

A standardized placement examination will be required of all entering students who wish to continue it college the language began in high school. Upon completion of the examination # A darger preceding an odd numbered course, with credit to be assigned on the usual basis, the second half of which must be completed before credit is allowed.

- 4 Second-year Spanish (3) The Staff
 Continuation of Spanish 3. Section A: 10:10 A.M.; section B: 11:10
 A.M.; section C: 6:10 P.M.
- Section A: 8:10 A.M.; section B: 7:10 P.M.

 Alonso
- A study of selected plays with an appreciation of their social and literary significance. Lectures, collateral reading, class discussion. 9:10 A.M.

SOCIOLOGY *

FIRST SESSION

- I Organization of Society* (3)

 The origin and development of culture, man's social nature, types of groups and social institutions, social processes, social change, and social control. Section A: 9:10 A.M.; section B: 7:10 P.M.
- The origin and development of rural culture, types of rural communities, rural social institutions, social processes in rural life, present rural problems and planning. 10:10 A.M.
- 132x Marriage (3)

 The social structure and control of marriage, marriage laws, mate selection, husband-wife relationships, factors in marital adjustment, marriage prediction and counseling. 11:10 A.M.

SECOND SESSION

- 2 Problems of Society (3)

 The factors producing social change and social disorganization, an analysis of the problems arising from the disorganization of the individual and the family. Section A: 9:10 A.M.; section B: 7:30 P.M.
- Types of cities, their origin, location, composition, functions, and problems; urban group life and personality; the organization of the city; urban housing and community planning. 10:10 A.M.

SPEECH

FIRST SESSION

A Speech Clinic

Individual or group lessons, without academic credit, for such speech difficulties as lisping, cleft palate, articulatory problems and stuttering. Fee: for individual lesson, \$5; for group lesson, \$3. Time to be arranged.

^{*} Sociology t is prerequisite to all other courses in sociology.

- 11 Training the Speaking Voice (3) Surrey, Thurston Developing ease, naturalness, and clarity in the speaking voice. Analysis of individual voices through recordings. Phonetic approach to the study of the sounds of English and the standards of speech. Recording fee, \$1.50. Section A: 10:10 A.M.; section B: 11:10 A.M.; section C: 6:10 P.M.
- Phelps
 Reading to others: theory and practice of interpreting the printed
 page. Prerequisite: Speech 11. Recording fee, \$1.50. 10:10 A.M.
 - 21 Effective Speaking (3) Henigan, Phelps, Thurston Preparation and delivery of extempore speeches; developing confidence and poise, body and voice control; selecting and organizing material. Recording fee. \$1.50. Section A: 8:10 A.M.; section B: 9:10 A.M.; section C: 10:10 A.M.; section D: 11:10 A.M.; section E: 7:10 P.M.
- 22x Speech Making (3)

 Special emphasis is placed on organization of material and elementary principles of persuasion. This course is a continuation of Speech 21, which is prerequisite. Recording fee, \$1.50. 9:10 A.M.

- A Speech Clinic

 Individual or group lessons, without academic credit, for such speech difficulties as lisping, cleft palate, articulatory problems, and stuttering. Fee: for individual lesson, \$5; for group lesson, \$3. Time to be arranged.
- Developing case, naturalness, and clarity in the speaking voice. Analysis of individual voices through recordings. Phonetic approach to the study of the sounds of English and the standards of speech. Recording fee, \$1.50. 6:10 P.M.
 - 12 Oral Reading (3)

 Reading to others: theory and practice of interpreting the printed page. Prerequisite: Speech 11. Recording fee, \$1.50. Section A: 10:10 A.M.; section B: 11:10 A.M.
- Preparation and delivery of extempore speeches; developing confidence and poise, body and voice control; selecting and organizing material. Recording fee, \$1.50. Section A: 9:10 A.M.; section B: 11:10 A.M.; section C: 7:10 P.M.
- Speech Making (3)

 Special emphasis is placed on organization of material and elementary principles of persuasion. This course is a continuation of Speech 21, which is prerequisite. Recording fee, \$1.50. Section A: 9:10 A.M.; section B: 10:10 A.M.

STATISTICS

FIRST SESSION

- Collection of data, classification and tabulation, averages, construction and use of index numbers and quotients, dispersion, analysis of frequency distribution, time series, correlation, and graphic presentation. Prerequisite: one entrance unit in algebra. Laboratory fee, \$5. Lecture—section A: 10:10 A.M.; section B: 6:10 P.M. Laboratory—section M: Mon. and Wed., 2:00 to 3:30 P.M.; section N: Tues. and Thurs., 2:00 to 3:30 P.M.; section P: Mon. and Wed., 8:00 to 9:30 P.M.
- 52x Mathematics of Finance (3) Marks
 Interest and discount, annuities, valuation of stocks and bonds, sinking funds, amortization, valuation of depletable assets, depreciation, building and loan associations. Prerequisite: one entrance unit in algebra. Section A: 9:10 A.M.; section B: 7:10 P.M.
- This course emphasizes the meaning, uses, and application of variates and attributes, measurement and enumeration, averages and dispersion, frequency distributions and their characteristics, errors of measurement and their control, index numbers, trends, cyclical relatives, purposive and random sampling in theory and practice with applications. Prerequisite: one entrance unit in algebra. Laboratory fee, \$5. This is the first half of a 6 credit course. Except by special arrangement with the instructor, the second half, Statistics 116, must be completed before credit is allowed. Lecture—7:10 P.M.; laboratory—Tues. and Thurs., 8:00 to 9:30 P.M.
- The analysis of Variance (3)

 The analysis of variance and covariance to segregate factors producing aignificant variation, a method to estimate experimental error, multiple classification with unequal class frequencies. Prerequisite: Statistics 115-16. 6:10 P.M.

- Collection of data, classification and tabulation, averages, construction and use of index numbers and quotients, dispersion, analysis of frequency distribution, time series, correlation, and graphic presentation. Prerequisite: one entrance unit in algebra. Laboratory fee, 85. Lecture—section A: 9:10 A.M.; section B: 7:10 P.M. Laboratory—section M: Mon. and Wed., 2:00 to 3:30 P.M.; section N: Mon. and Wed., 8:00 to 9:30 P.M.
 - 52 Mathematics of Finance (3) Johnson,
 Interest and discount, annuities, valuation of stocks and bonds, sinking funds, amortization, valuation of depletable assets, depreciation, building and loan associations. Prerequisite: one entrance unit in algebra. Section A: 10:10 A.M.; section B: 6:10 P.M.

[†] A dagger preceding an odd-numbered course indicates that it is the first half of a full-year course, the second half of which must be completed before credit is allowed.

- Continuation of Statistical Methods (3)
 Continuation of Statistics 115. Prerequisite: Statistics 115. Laboratory fee, \$5. Lecture—7:10 P.M.; laboratory—Tues. and Thurs., 8:00 to 9:30 P.M.
- Advanced study of simple, partial, and multiple correlation. Rank correlation, the method of contingency, and the problem of normal and non-normal populations. Tests of independence, likeness, and goodness of fit. Prerequisite: Statistics 115-16. 6:10 P.M.

ZOOLOGY

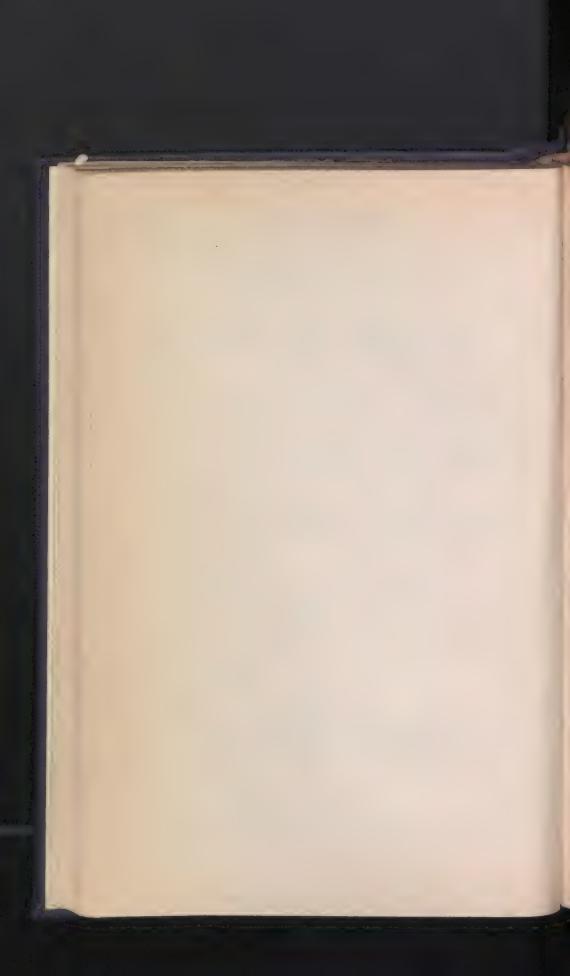
FIRST SESSION

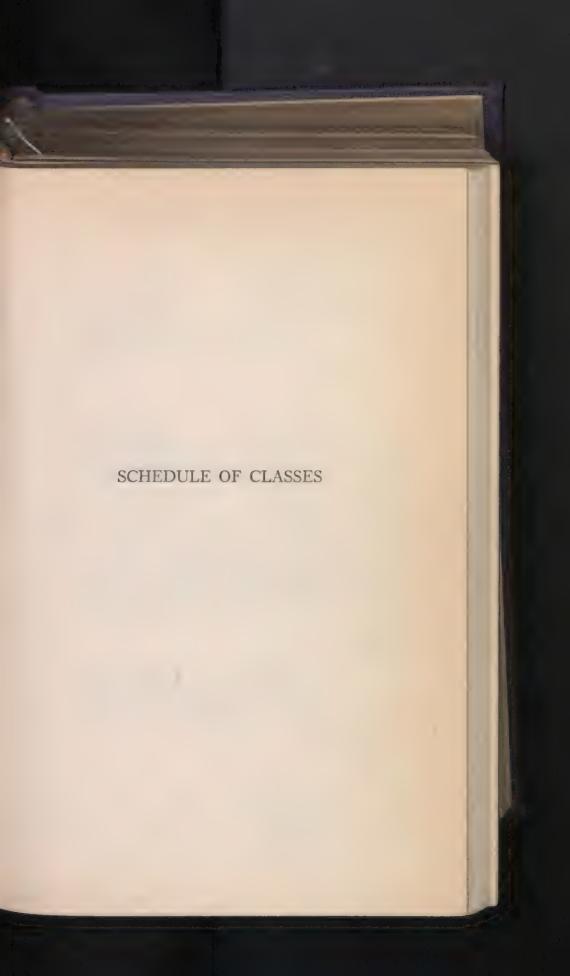
- I Introduction to Zoology (4) Mortensen and Staff
 An introduction to the study of the structure, functions, and relation
 of animals, and of the fundamental biological principles involved.
 Material fee, \$4.50. Lecture—section A: Mon. through Thurs., 1:10
 P.M.; section B: Mon. through Thurs., 6:10. Laboratory—section S:
 Mon. through Thurs., 2:10 to 4:00 P.M.; section T: Mon. through
 Thurs., 7:10 to 9:00 P.M.
- I4I Comparative Vertebrate Anatomy (3) Hansen Lectures on the organ systems of the vertebrates; laboratory dissections of types. Prerequisite: Zoology 2. Material fee, \$6. Lecture—Mon. and Wed., 2:10 P.M.; laboratory—Mon. through Thurs., 3:10 to 5:00 P.M.
- 144x Introduction to Vertebrate Embryology (3) Hansen
 The origin and early development of the individual and the formation
 of organ systems. Emphasis is placed on the frog, chick, and pig,
 with reference to the human embryo. Prerequisite: Zoology 2 and
 141 or 142. Material fee, \$6. Lecture—Mon. and Wed., 6:10 P.M.;
 laboratory—Mon. through Thurs., 7:10 to 9:00 P.M.
- 295 Research (3) The Staff Investigation of special problems. Hours to be arranged.
- 299 Thesis (3)

The Staff

- Introduction to Zoology (4)
 Continuation of Zoology I. Material fee, \$4.50. Lecture—section A:
 Mon. through Thurs., 1:10 P.M.; section B: Mon. through Thurs.,
 6:10 P.M. Laboratory—section S: Mon. through Thurs.,
 2:10 to
 4:00 P.M.; section T: Mon. through Thurs.,
 7:10 to 9:00 P.M.
- A study of the elementary morphology, physiology, and ecology of insects, with an introduction to the taxonomy of the more important groups. Prerequisite: Zoology 1-2, or the equivalent. Material fee, \$5. Lecture—Mon. and Wed., \$2:10 P.M.; laboratory—Mon. through Thurs., 3:10 to 5:00 P.M.

- An introduction to the microscopical anatomy of normal tissues and organs. Prerequisite: Zoology 2. Material fee, \$6. Lecture—Mon. and Wed., 7:10 P.M; laboratory—Mon. and Wed., 8:10 to 10:00 P.M., and Tues. and Thurs., 7:10 to 9:00 P.M.
 - Comparative Vertebrate Anatomy (3)
 Continuation of Zoology 141. Prerequisite: Zoology 2. Material fee, \$6. Lecture—Mon. and Wed., 2:10 P.M.; laboratory—Mon. through Thurs., 3:10 to 5:00 P.M.
- 296 Research (3)
 Investigation of special problems. Hours to be arranged.
- 300 Thesis (3) The Staff





HOURLY SCHEDULE OF CLASSES • FIRST SESSION ‡ JUNE 8 to AUGUST 1

MORNING CLASSES

○ mg	Bot 1B lect. (TWThF) Bus Adm 153A Chem 151 lect. (TWF) Chem 151 lect. (MWF) Chem 165X Et gax (TWThF) Etgen 166X Etg gax (10 12:10) Eng 24) Eng 177 Ger 3A Hist 147 Math 6xA Math 12xA Math 6xA Math 12xA Math 12xA Math 5xA Math 12xA Math 5xA Math 12xA Sec 132x
IO: IO	Biol 1 lab. (TTh to 12) Bus Adm 155 Chem 11 leet. (TWThF) Econ 102x Econ 102x Eng 1C Eng 2xC Eng 2xC Eng 2xC Eng 183 Fr 2xA Geog 123 Geog 123 Geog 123 Math 20xA Math 3xA Math 20xA Math 3xA Math 20xA Math 20xA Phil 51 Pol Sc 111 Psych 22x Soc 125
01:6	Biol 1 lect. (TTh) Biol 1 trip (WF to 12) Bot 1A lect. (TWThF) Bot 105 trip (S to 12) Bus Adm 128A Bus Adm 128A Bus Adm 128A Chem 21K lab. (TWThF to 12) Chem 151 lect. (AWF) Chem 151 K lab. (TTh to 12) CE 25 (MTWTh) Econ 101 Eco
8:10	Biol 127 (at 8) Bus Adm 157 Chem 11K lab. (TWThF to 10) Eng 1A Eng 2xA Eng 91 Fr 3A Fr 4xA Fr 199A Ger 4x Hist 139 (at 8) ME 111 (MTThF 8:45-10) Pol \$5 9A Psych 18A Psych 18A Psych 18A Psych 18A Psych 18A Psych 18A Psych 25 9A Psych 25 9A Psych 25 9A Psych 25 9A Psych 38x Span 199A Span 199A Span 199A
7:10	Bus Adm 145 Bus Adm 169 Geog 215 (TTh to 8:25) Hist 39 (at 7) Hist 71 (MWF 7-8:25)

• Seminars and research courses for which hours are to be arranged, courses in the Law School, and the special sessions of the School of Education will be found under departmental announcements.

‡ Classes meet Monday through Friday unless otherwise indicated.

T
- E
5
6
C
0
()
т
- 1
- 60
86
86
-2
-3
(1)
(3)
2
per l
- 64
86
0
>
the same of

	OI:II	Speech 11B Speech 21D
INTOKALING CLASSES—Continued	01:01	Span 3A Speech 12A Speech 21C Speech 21C Stat 51A lect.
	01:6	Eng 129 Fr 135 Geog 52x Geog 52x Geog 52x Ger 1A Hist 130x Math 139 Mit 13 (MTThF) Phil 111 Phys 55C (S to 12:30) Pol Sc 121 Pol Sc 121 Pol Sc 121 Porch 151 Swe 1A Span 4xA Span 135 Speck 218 Speck 22x Speck 22x Speck 23x Speck 24 Span 135 Speck 24 Span 135 Speck 22x
	8:10	
	7:10	

FIRST SESSION—AFTERNOON CLASSES

3:10	Biol 115 lab. (MW to 5) Chem 11M rec. (TTh) Psych 144x (MWF to 4:30) Zoo 141 lab. (MTWTh to 5)
2:10	Biol 115 lect. (MW) Biol 115 lab. (TTh to 4) Bot 105 lab. (TTh to 4) Bot 105 lab. (TTh to 4) Bot 105 lab. (TTh to 4) Chem 21M lab. (TTH to 5) CE 141 lab. (MF to 5) Fr 1B Phys 55A (TTh to 5:30) Phys 55B (WF to 5:30) Phys 55C (M to 5:30) Span 1B Stat 51M lab. (MW 2-3:30) Stat 51N lab. (TTh 2-3:30) Zeo 15 lab. (MTWTh Zeo 15 lab. (MTWTh Zeo 15 lab. (MTWTh
0 1	Bot 105 lect. (S) Chem 21 lect. (TWThF to 3) Chem 21 lect. (TWThF) CF 141 lect. (MTWF) EE 134 (MTh to 4) EE 1354 (MTh to 4) ME 115 (MWF to 4) ME 115 (MWF to 4) ME 131 (MTThF) Phys 8x4 Phys 8x4 Phys 8x4 Change 231 (MW to 3:10) Zoo 1A lect. (MTWTh)
12:10	Bot 1B lab. (TWThF to 1)

SESSED SNINANH NOISSIS ESA

	8:10	EE 13C (MTh to 11) EE 13D (TF to 11) EE 105C (MTh to 11) EE 105D (TF to 11)
Colored Division to the colored to t	7:10	Bot 1c5 lab. (Th to 9) Bus Adm 51B Bus Adm 115 Bus Adm 153B
	0:10	Bot 105 leet. (Th) Bus Adm 52x Bus Adm 101 Bus Adm 151B
	Stro	Econ 181 Ed 121 (MTWTh) Eng 71B Eng 126x

8:10	EE 133C (MTh to 11) EBR 222X Hist 239 (TTh 8-10) Hist 281 (MW 8-10) Pol Sc 240X (TTh to 10) Pol Sc 281 (MW to 10) Stat 51P lab. (MW 8-9;30) Stat 115 lab. (TTh 8-9;30)
7:10	Bus. Adm. 168x Econ. 226x (MW to 9) Fins. A—seet. B Eng. 1—D Eng. 141 Fr. 3B Fr. 4xB Geor. 133 (MIW to 9) Geor. 138 Geor. 138 Hist. 182x Math. 32x Math. 32x Math. 32x Math. 132xB Phys. 8xB Phys. 8xB Pol. Sc. 151 Psych. 246x (TTh. to 9) Soc. 1B Span. 109B Span. 109
6:10	Bus Adm 215 (TW to 8) Econ 18 Econ 109 E. 107 (to 7:10) Eng 2xE Eng 2xE Eng 2xE Eng 2xE Eng 175 Fr 1C Fr 109 Fr 100 Geox 187 Geox 187 Geox 187 Geox 187 Math 10B Math 12xB Math 12xB Math 12xB Math 12xB Math 12xB Math 12xB Span 1C Span 1C Span 1C Span 1S3 Spech 11C Span 1S3 Span 1S4 Span 1S4 Span 1S4 Span 1S5
5:10	

The Summer Sessions

SECOND SESSION .—AUGUST 3 to SEPTEMBER 23

MORNING CLASSES

O pri	Bot 2B lect. (TWThF) Chem 12K rec. (TTh) EE 10A (to 12:10) Eng 1xA Eng 1xA Eng 178 Ger 4A Math 12A Math 12A Math 12A Spech 2 Span 4B Spech 12B Spech 21XB
O and	Biol 2 lab. (TTh to 12) Bus Adm 112 Chem 12 lect. (TWThF) Econ 2A Econ 122 Eng 2C Eng 2C Eng 72 Eng 82 Eng 72 Eng 174 Math 6.4 Math 6.4 Math 6.4 Math 124 Eng 82 Eng 125 En
01:6	Biol 2 lect. (TTh) Biol 2 trip (WF to 12) Bus Adm 52A Bus Adm 52A Chem 22K lab. (TWThF to 12) Chem 152K lab. (TWThF to 12) Chem 152K lab. (TWThF to 12) Chem 152K lab. (TWThF to 12) Econ 121X Econ 121X Ed 110 (MTWTh) En 26 Ed 110 (MTWTh) En 26 Ed 110 (MTWTh) Hint 25 Fr 2A Fr 2A Fr 2A Fr 2A Hist 150 Hist 150 Hist 150 Math 20A Math 20A Math 20A Math 20A Math 123X Math 123X Math 123X Math 123X Math 20A Math 123X Math 20A Math 123X Math 20A Math 123X Math 20A Math 123X Math 123X Math 20A Math 123X
8:10	Bus Adm 115x Chem 12K lab. (TWThF to 10) Eng 2A Eng 140 Fr 4A Fr 110A Hist 72 (at 8) ME 112 (MTThF 8:45-10) Pol Sc 10A Psych 1xA Span 2A Span 110A
7:10	Bus Adm 165x Hist 40 (at 7) Pol Sc 171x

· Classes meet Monday through Friday unless otherwise indicated.

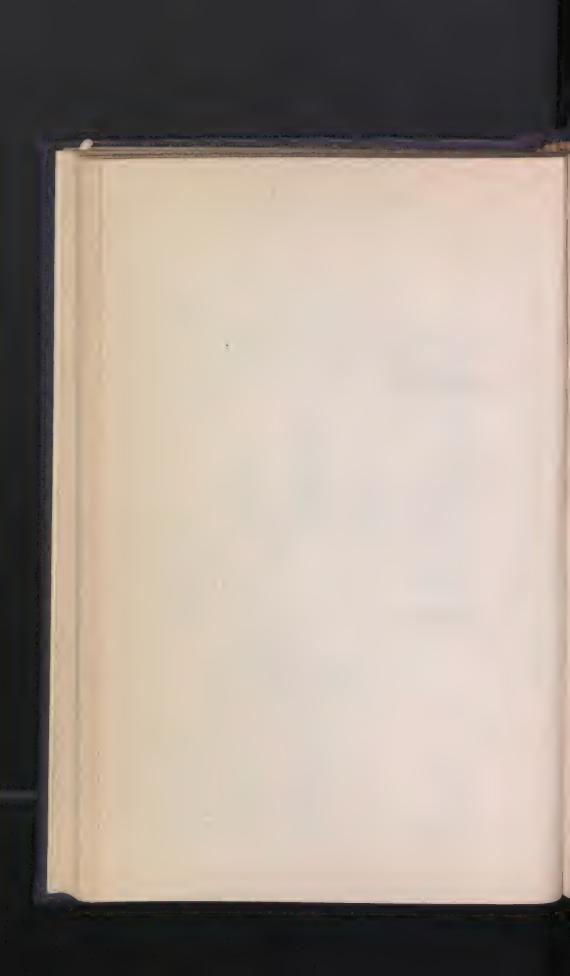
-			1 /10	OW	nwer Sessions	77
	O 01 00 00 00 00 00 00 00 00 00 00 00 00			3:10	Chem 12M rec. (TTh) Zoo 105x lab. (MTWTh to 5) Zoo 142 lab. (MTWTh to 5)	
MORNING CLASSES—Continued	01:01		Second Session—Afternoon Classes	2:10	Bot 2A lab. (TTh to 4) (Chem 22M lab. (TWThF to 5) (Chem 152M lab. (TWThF to 5) Fr 2B Span 2B Stat 51xM lab. (MW 2-3:30) Zoo 2S lab. (MTWTh to 4) Zoo 105x lect. (MW) Zoo 14z lect. (MW)	
	01:6	Soc 2A Span 3xA Span 136 Speech 21xA Speech 22xA Stat 51xA lect.			Chem 12M lab. (TWThF to 3) Chem 22 lect. (TWThF) Chem 152 lect. (TWThF) CE 140A (TTh to 4) CE 142 lect. (MTWF) EE 142 lect. (MTWF) EE 144 MTh to 4) EE 148 (TF to 4) EE 156 (MTh to 4) EE 156 (MTh to 4) EE 154 (MTh to 4) EE 155 (MTh to 5) Syech 156 (MWF to 4) Psych 156 (MWF to 1) Psych 156 (MWF to 3:10)	172 14 2 11
	7:10			12:10	Bot 2B lab. (TWThF to 1)	

SECOND SESSION—EVENING CLASSES

01:8	CE 140B (TTh to 11) EE 14C (MTh to 11) EE 14D (TF to 11) EE 106C (MTh to 11) EE 106D (TF to 11) EE 134C (MTh to 11) EE 134C (MTh to 11) EE 134D (TF to 11) En 296 Hist 252 (MTh 8-10) Hist 252 (MW 8-10) Pol Sc 272 (MW 9-10) Stat 51xN lab. (MW 8-9) Stat 116 lab. (TTh 8-9:30) Stat 116 lab. (TTh 8-9:30)
7:10	Bus Adm 52B Bus Adm 136 Bus Adm 136 Bus Adm 155x Econ 260 (MW to 9) Eng 2D Eng 142 Fr 4B Geog 104 (MTW to 9) Geog 104 (MTW to 8:30) Psych 171x Psych 171x Psych 171x Psych 171x Psych 171x Psych 171x Sych 171x Psych 1
6:10	Bus Adm 51x Bus Adm 152B Bus Adm 152B Econ 2B Econ 146 EE 10B (107:10) EE 10B (107:10) Eng 52B Eng 52B Eng 52B Fr 2C Fr 3xB Fr 10B Get 2B Math 12B Math 12B Math 12B Math 12B Math 12B Fr 12C Fr 3xB Fr 110B Get 2B Fr 110B Fr 12B Fr 110B Fr 12B Fr 110B Fr 12B Fr 110B Fr 12B Fr 12
O	Econ 182 Ed 122 (MTWTh) EE 118 (to 6:10) Hist 161x Phys 128

FIFTEEN-WEEK TERM-JUNE 8 to SEPTEMBER 16
MORNING CLASSES

01:6	ROLEO	11:10
CE 136SA (MWF) Phys 6SM rec. (F) Phys 6SN rec. (S) Phys 7SH rec. (M)	CE 21–22SA (MTWThF) CE 113SA (MWF) CE 156SB (MWF) Phys 6SM lab. (F to 12:30) Phys 6SN lab. (S to 12:30) Phys 7SH lab. (M to 12:30)	CE 21–22SB (MTWThF) CE 123SB (MWF) Phys 6SM lect. (T) Phys 6SP lect. (T) Phys 5SR lect. (T) Phys 7SH lect. (Th) Phys 7ST lect. (Th)
	AFTERNOON CLASSES	
01:10		2:10
Phys 6SP rec. (M) Phys 6SR rec. (W) Phys 7ST rec. (F)	Phys 6SP lab. (Phys 6SR lab. (Phys 7ST lab. (Phys 1ST lab. (Phys 7ST lab. (Phys 7ST lab. (Phys 1ST lab. (Phys 1	(M to 4:30) (W to 4:30) (F to 4:30)
	Evening Classes	
6:10	7:10	98:10
CE 123SC (MWF) Phys 6SN lect. (T) Phys 6SY lect. (T) Phys 7SU lect. (Th) Phys 7SV lect. (Th)	CE 136SC (MWF) Phys 6SY rec. (Th) Phys 7SU rec. (M) Phys 7SV rec. (T)	Phys 6SY lab. (Th to 10:30) Phys 7SU lab. (M to 10:30) Phys 7SV lab. (T to 10:30)



INDEX

Academic Credit, 20 Administration, officers of, 4-5 Admission, 16-17, 25, 26-27, 27-28, 28,

Associate in Arts, degree of, 25

Bachelor of Arts, degree of, 26-27 Bachelor of Science, degree of, 25, 26 Biology, courses in, 34 Botany, courses in, 34-35 Business Administration, courses in, 35-37

Calendar of the Summer Sessions, vi Chemistry, courses in, 37-39 Civil Engineering, courses in, 39-40 Columbian College, 25-27 Combined curricula, Bachelor of Arts —Doctor of Medicine, 25 Courses of instruction, 31-69

Credit: Indication of in course descriptions, 33 Maximum for Summer Sessions, 20

Deans and Directors, 4-5
Doctor of Education, degree of, 29
Doctor of Philosophy, degree of, 27

Economics, courses in, 40-41 Education:

Courses in, 41-44 School of, 28-29 Electrical Engineering, courses in, 44-45 Engineering:

Courses in, 39-40, 44-45, 55-56 School of, 28 English, courses in, 45-47

Faculty of the Summer Sessions, 11-15 Fees and financial regulations, 18-19 Foreign Service Review Course, 29-30 French, courses in, 63, 64

Geography, courses in. 47–48 German, courses in. 48–49 Government, School of, 29–30 Graduate Council, 27

History, courses in, 49-51 Hospital services, 18-19 Junior College, 25

Law:
Courses in, 51-54
School of, 27-28
Library facilities, 7
Living accommodations and costs, 2122

Master of Arts, degree of, 25, 26 Master of Science, degree of, 25, 26 Mathematics, courses in, 54-55 Mechanical Engineering, courses in, 55-56 Medical services, 18-19

Officers of Administration, 4-5

Philosophy, courses in, 56-57 Physics, courses in, 57-58 Political Science, courses in, 58-59 Psychology, courses in, 59-62

Refund of tuition, 19-20 Registration, 17 Regulations, 20-21 Religion, courses in, 62 Romance Languages, courses in, 63-65

Schedule of classes, hourly, 71–79
Sociology, courses in, 65
Spanish, courses in, 63, 64
Special Students, Division of, 30
Specch, courses in, 65–66
Staff of Instruction, 11–15
Statistics, courses in, 67–68
Student life, 21

Trustees, Board of, 3

University Students, Division of, 30 University history, organization, academic status, location, educational facilities, 6-8

Veterans Education, 22

Withdrawal from the University, 18-19 Zoology, courses in, 68-69







GEORGE WASHINGTON UNIVERSITY

BULLETIN

Vol. XLVIII

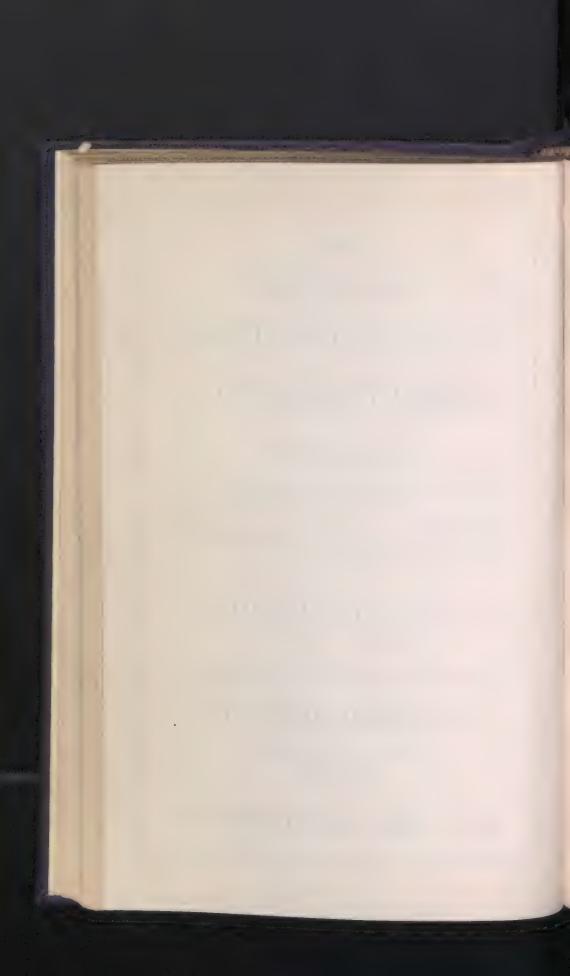
No. 5

THE LAW SCHOOL

WASHINGTON, D. C.

PUBLISHED IN JULY
MCMXLIX

BY THE UNIVERSITY



CONTENTS

	PAGE
CALENDAR OF THE LAW SCHOOL	vi
THE University	I
The Board of Trustees	3
Officers of Administration	4
History and Organization.	5
THE LAW SCHOOL	7
The Faculty	9
General Information	15
Admission	18
Registration	19
Fees and Financial Regulations	20
Scholarships, Prizes, Loan Funds.	21
Regulations	22
Student Life	24
The Degrees	26
Courses of Instruction	31
Degrees Conferred, 1948-49.	40
STUDENTS REGISTERED, 1948-49.	
	46
SUMMARIES OF REGISTRATION, 1948-49	74
Index	78

CALENDAR

1949-50

Date	Day	Occasion
1949 Fall Term: Sept. 28–30 Oct. 3 Nov. 11 Nov. 24–26 Dec. 22–Jan. 2 1950 Jan. 3 Jan. 20–31 Winter Term: Feb. 2 and 3 Feb. 6 Feb. 22 April 7 and 8 May 17–27 May 28	Wednesday through Friday Monday Friday Thursday through Saturday Thursday through Monday Tuesday Friday through Tuesday Thursday and Friday Monday Wednesday Friday and Saturday Monday Wednesday through Saturday Sunday	Registration Fall term begins Fall Convocation. Holiday Thanksgiving recess Christmas recess Classes resume Fall term examination period Registration Winter term begins Winter Convocation. Holiday Easter recess Summer-term preregistration for students registered in the winter term Winter term examination period Baccalaureate Sermon
May 31	Monday Tuesday Tuesday Tuesday Tuesday Wednesday Monday Tuesday	the first session First-session classes begin Independence Day. Holiday First summer session ends Registration for the second session of the summer term Second-session classes begin Labor Day. Holiday Second summer session ends





THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President and Vice-President of the University ex officio and the following persons by election:

Robert Vedder Fleming, LL.D., Chairman Henry Parsons Erwin, A.B., Secretary Newell Windom Ellison, A.B., LL.B., Assistant Secretary

Avery DeLano Andrews, B.S., LL.B. Clarence Aiken Aspinwall Lyman James Briggs, Ph.D., Sc.D., D.Eng., LL.D. John St. Clair Brookes, Jr., A.M., LL.B. John Henry Cowles, LL.D. Homer Cummings, Ph.B., LL.B., LL.D., L.H.D. *Watson Davis, B.S. in C.E., C.E. Mrs. Joshua Evans, Jr., A.B., Ed.D. *Robert Elliott Freer, A.B., LL.M. Charles Carroll Glover, Jr., A.M., LL.B. Gilbert Grosvenor, A.M., LL.D., Litt.D. *Brooks Hays, A.B., LL.B. John Edgar Hoover, LL.M., LL.D. *Frank Atherton Howard, B.S. in M.E., LL.B. Alfred Henry Lawson, LL.B. Benjamin Mosby McKelway *Claude Worthington Owen, LL.M. Mrs. Henry Alvah Strong, LL.D. Walter Rupert Tuckerman, A.B., LL.B. Alexander Wetmore, Ph.D., Sc.D. *Charles Stanley White, M.D., Sc.D. Lloyd Bennett Wilson

^{*} Nominated by the alumni.

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

Cloyd Heck Marvin, Ph.D., LL.D., President of the University Ulysses S. Grant, 3d, B.S., Graduate United States Engineers School, Vice-President Harold Griffith Sutton, M.S., Director of Admissions Fred Everett Nessell, A.B., Registrar; Secretary of the Faculties John Russell Mason, B.S. in L.S., A.M., Librarian; Curator of Art Myrna Pauline Sedgwick, A.B., Administrative Secretary Henry William Herzog, B.S., Comptroller Donald Blanchard, B.C.E., Business Manager Claud Max Farrington, A.M., Director of Activities for Men Virginia Randolph Kirkbride, A.M., Director of Activities for Women Alan Thomas Deibert, A.M., Adviser to Students from Foreign Countries Mitchell Dreese, Ph.D., Dean of the Summer Sessions Daniel LeRay Borden, A.M., M.D., Director of Health Administration Ruth Harriet Atwell, A.M., Director of Physical Education for Women Lester Allan Smith, A.M., Director of Alumni Relations John Rust Busick, A.B., Director of Public Relations Don Carlos Faith, A.B., Director of Veterans Education

THE LAW SCHOOL

Anna Marie Bischoff, A.B., Secretary to the Dean of the Law School
Ella Cooper Thomas, LL.B., Assistant Librarian in Charge of the Law
Library
Kaethe Wiegand Wilber, Secretary in the Law School

THE UNIVERSITY

HISTORY AND ORGANIZATION

The idea of a university in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

The George Washington University operates under a charter granted by an act of Congress of February 9, 1821, to Columbian College in the District of Columbia. In 1873 the name was changed to "Columbian University" and in 1904 to "The George

Washington University".

The University as it is now organized consists of the Junior College, comprising the work of the freshman and sophomore years; Columbian College, the senior college of liberal arts, which offers work leading to the Bachelor's and Master's degrees; the Graduate Council, which offers work leading to the degree of Doctor of Philosophy; the professional schools, which include Medicine, Law, Engineering, Pharmacy, Education, and Government; the Division of University Students; the Division of Special Students; and the Summer Sessions.

ACADEMIC STATUS

The George Washington University is on the final approved list of the Association of American Universities. This fact not only assures to students the academic standards of this association, but also is important to those who desire to transfer credits from one institution to another.

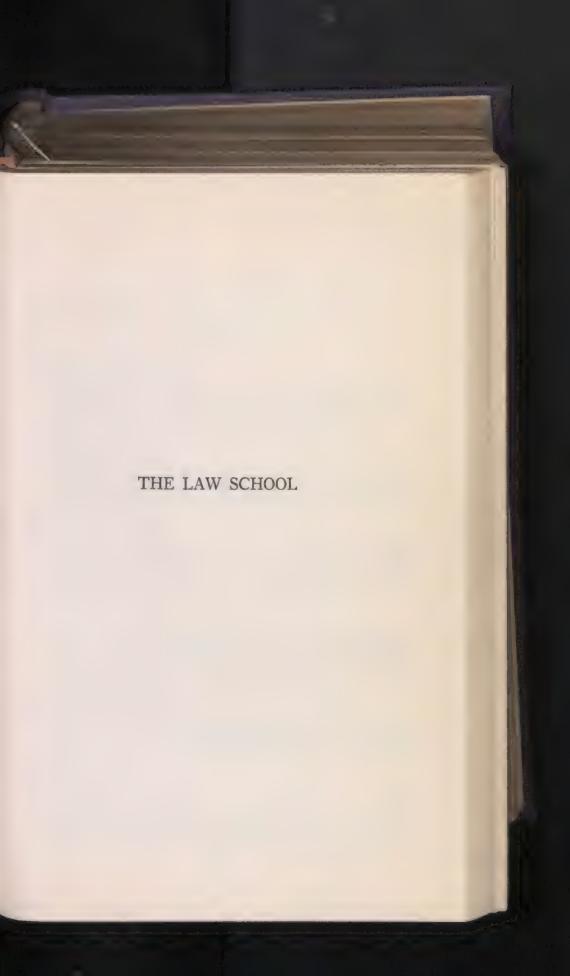
The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association

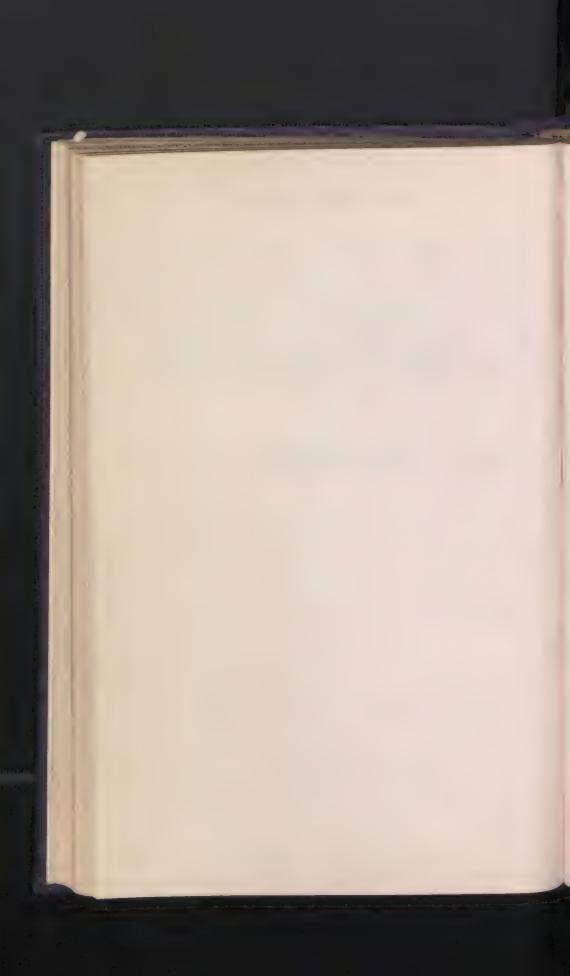
of University Women.

The Law School is a charter member of the Association of American Law Schools and is approved by the Council of Legal Education of the American Bar Association.

LOCATION

The George Washington University is in downtown Washington, four blocks west of the White House and east of the Potomac River with its extensive parkway. Within a few blocks are the buildings housing the offices of many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. Also readily accessible are the Capitol, the Library of Congress, the National Archives, the Supreme Court, and other federal courts.







THE LAW SCHOOL

THE FACULTY

CLOYD HECK MARVIN, Ph.D., LL.D., President of the University -, Dean of the Law School

EMERITUS FACULTY

WALTER COLLINS CLEPHANE

Professor Emeritus of Lace
1.1.B 1880, LL.M. 1800, LL.D. 1932, The George Washington University, Member 1800-, Committee on Admissions and Grievances, District Court of the United States for the District of Columbia; Member 1906-, Conference of Commissioners on University, or State Laws. In Practice of Law 1880-, Member of Cleptance, Latiner and Hall, Washington (D. C.), 1918-48: Instructor in Moot Court 1800-1900, Professor of Law 1900-16, Professor Emeritus of Law 1936-, The George Washington University.

GILBERT LEWIS HALL

Professor Emeritus of Law

AB. 1899, Swarthmore College: LL.B. 1918, The George Washington University. Teacher and Division Superintendent of Schools 1901-10, P. I.: with U. S. Indian Service 1912-18; in Practice of Law with Clephane and Latimer, Washington (D. C.) 1918-36; Member 1916 48, Clephane, Latimer and Hall, Washington (D. C.): Lecturer in Law 1220-38, Adjunct Professor of Law 1938-42, Professor Emeritus of Law 1942-, The George Washington University. Washington University.

JOHN WILMER LATIMER

DHN WILMER LATITUDE.

Professor Emeritus of Law

LL.B. 1897. The George Washington University. In Practice of Law 1006-11; Judge

1013-17, Juvenile Court of the District of Columbia; Member 1018-48, Clephane.

Latimer and Hall, Washington (D. C.); Clerk of the Moot Court 1004-7, Instructor in

Law 1908-9, Assistant Professor of Law 1010-13, Professor of Law 1913-42, Professor

Emeritus of Law 1943-, The George Washington University.

WALTER LEWIS MOLL

A.B. 1808. Concordia College (Ind.); Graduate 1800. Concordia Theological Seminary (St. Louis); LL.B. 1923, Indiana University; S.J.D. 1924, Harvard University. University Scholar 1902-3, University Ellow 1903-4, Johns Hopkins University; Professor of English, 1904-0, Professor of Greek 1900-20, Concordia College (Ind.): in Practice of Law with Olds & Thomas, Fort Wayne (Ind.) 1920-22; Instructor in Commercial Law 1920-21, Instructor in Law 1921-23, Indiana University: Professor of Law 1924-43: Professor Emeritus of Law 1943-, The George Washington University.

HECTOR GALLOWAY SPAULDING

Professor Emeritus of Law

B.S. 1900. University of Minnesota; LL.B. 1903, S.J.D. 1924. Harvard University Acting Assistant Professor of Law 1914-15, Stanford University: in Practice of Law with Ratch. Woodford, Bovee and Butcher, New York City; with Cassoday, Butler, Lamb and Foster, Chicago; Assistant Professor of Law 1920-22, Professor of Law 1922-47, Professor Emeritus of Law in Residence 1947-49, Professor Emeritus of Law 1949-. The George Washington University.

WENDELL PHILLIPS STAFFORD

LL.B. 1881, Boston University; A.M. 1901, Dartmouth College; II.D. 1906, Lut.D. 1929, University of Vermont: LL.D. 1906, Georgetown University; Lut.D. 1910, Modden bury College; Litt.D. 1916, The George Washington University. Judge 1920-1922, Supreme Court of Vermont: Associate Justice 1904-51, Supreme Court of the District of Columbia; Lecturer on Agency 1904-6, Georgetown University; Professor of Law 1908-29, Professor Emeritus of Law 1929-, The George Washington University

ACTIVE FACULTY

CARVILLE DICKINSON BENSON

Professor of Law

A.B. 1920. Johns Hopkins University; LL.B. 1923, S.J.D. 1926, Harvard University. In Practice of Law with Benson, Nock & Rowe, Baltimore (Md.) 1921-25; Assistant Professor of Law, 1926-29, Emory University: Assistant Professor of Law 1923-33, Associate Professor of Law 1933-43, Professor of Law 1943-3. The George Washington University. Subjects: Legal Method and Legal System, Property, Wills

JOHN PATRICK BURKE

Associate Professor of Law

A.B. 1940, LL.B. 1941, The George Washington University. Law Clerk, U. S. Court of Appeals for the District of Columbia 1941-42; Assistant U. S. Attorney, District of Columbia 1942-48; Associate Professor of Law 1948-, The George Washington Univer-

Subjects: Civil Procedure, Legal Method, Equity

CHARLES SAGER COLLIER

AB 1911, LLB. 1915, S.J.D. 1932, Harvard University. In Practice of Law with Rounds. Schurman and Dwight (later Hughes. Schurman and Dwight), New York City 1915 16; Member Staff 1918-19. Cornell University Law School: Ezra Ripley Thayer Teaching Fellow 1911-32. Harvard University Law School: Member Faculty. Second Semester 1935-36, University of Wisconsin Law School: Assistant Professor of Law 1918-21, Austrag Deen of the Law School 1930-31, Professor of Law 1921-. The George Washington Law School 1930-31, Professor of Law 1921-.

Subjects: Constitutional Law, Jurisprudence, Taxation, Constitutional Law Seminar

WILLIAM RANDALL COMPTON

Professorial Lecturer in Law

LL.B. 1928, Union University (N. Y.): M.B.A. 1931, Harvard University: LS.D. 1931.

Cornell University. Clerk to Committee on Labor and Industry 1925-28. New York State Senate; Dean and Professor of Business Administration 1931-32. Green Mountain Junior Consense. in Practice of Law with McDowell and McDowell 1, 18-18. Finara (N.Y.): General Coursel 1943. Quartermaster Corps, Department of the Army Chairman 1946.

Cive. In Local Personnel Committee. Department of the Army Chairman 1946. Arr Force. Assistant Professor of Law 1945 49. Assistant Professor of Law 1945 49. Assistant Professor of Law 1945. The George Washington University

Subject: Demossic Relations

ROBERT McKINNEY COOPER

OBERT McKINNEY COOPER

Associate Professor of Law

A.B. 1929, West Virginia University; Ph.M. 1931, University of Wisconsin; J.D. 1924.
University of Michigan, Special Assistant to the Attorney General of the United States.
1934-41; The Assistant to the General Counsel of the Federal Communications Communication, 1939-41; Special Counsel to the Bonneville Power Administration, Department of the Interior, 1941-43, Major, Military Government Division, War Department Concerd Staff, U.S. Army 1941-46; Member 1946-47, McFarland and Sellers, Washington, D. C. A. 1941-41, Major, Military Government Division, War Department Concerd Staff, U.S. Army 1941-46; Member 1946-47, McFarland and Sellers, Washington, D. C. A. 1941-41, Major, Military Government Division, Washington, D. C. A. 1941-41, Major, Military Government Division, Washington, D. C. A. 1941-41, Major, Military Government Division, Washington, D. C. A. 1941-41, Major, Military Government Division, Washington, D. C. A. 1941-41, Major, Military Government Division, Washington, D. C. A. 1941-41, Major, Military Government Division, Washington, D. C. A. 1941-41, Major, Military Government Division, Washington, D. C. A. 1941-41, Major, Military Government Division, Washington, D. C. A. 1941-41, Major, Military Government Division, Washington, D. 1941-41, Major, Military Government Division, Military Government Division, Military Government Division, Military Govern

GEORGE BOWDOIN CRAIGHILL

Adjunct Professor of Law

A.B. 1903, University of the South: LL.B. 1006, Georgetown University. Member M. Kerrey, Flantery and Craushill, Lecturer 1914-14, Washington College of Lawington Vision Subject: Meot Court

JAMES FORRESTER DAVISON

tive Law Seminar

HARRYMAN DORSEY

Professorial Lecturer in Law

AB 1929 11 B 1921. The George Wishington University Pray e of Law 1922 42,
1947 Lecturer in Political Science 1927 18. The George Washington University
Coppaign, Indice Vivosite General's Department, U.S. Arbay, V. and Professorial Lecturer in Law 1949 -, The George Washington University. Subjects: Corporations, Trusts

*AUGUST GOTTLIEB ECKHARDT

Assistant Professor of L. w.

A.B. 1939, LL.M. 1946, University of Wisconsin; Ll. B. 1942. The George Wisconsin University. Member 1946-47, Schmitt & Fikhardt, Merrill (Wis.) Assist Processor of Law 1947-. The George Washington University.

JUSTIN LINCOLN EDGERTON

Professorial Lecturer in Law: Clerk of the Moot Court

A.B. 1929, ILB 1931. The George Washington University. In Prof. e of Law 1931 19.

with Irans I Noshi, Washington (D. C.). Member 1939, 47 Noshi, Prof. e of
Education, Washington (D. C.). Member 1937. Cromelius, Township, 2nd. & Khand,
Wishington (D. C.). Clerk of the Moot Court 1931. Associate in Law 1942 47.

Professorial Lecturer in Law 1942 47. Professorial Lecturer in Law 1947. The George Washington Subject: Moot Court

WILLIAM LEIGH ELLIS

Lecturer in Law A B 1929. Hills fale College; LL B 1934. LL M, 1936. The George West system University Special Claims Evaminer 1936 48. U.S. Gereral According to the Arrows 12. 1 p.d. Attories 1945. Assistant to the Computer George Washington University. Subject: Levislation

DONALD JAMES FARAGE

A.B. 1910, LL.B. 1911, University of Pennsylvania. Assistant to the Reporter for the Restatement of Torta, American Law Justice 1911, 16, 17 Produce of Law 1911, 14 Member, Richter, Lord and Farane, Physiological, 1915, 48, Professor of Law 1913, 16, Dickinson School of Law: Associate Professor of Law 1948. The George West recton University Subjects: Constitutional Law, Torts, Conflict of Laws, Civil Procedure

WILLIAM THOMAS FRYER

Professor of Law

AB 1722, LLB, 1924. The George Washington University LLD 1925. Yale University Ln Practice of Law with Will im Pepper Constable Balt more (M. 1924 of Annals Professor of Law 1926) 29. Associate Professor of Law 1926 40. Professor of Law 1926.

The George Washington University. Sul jects: Evidence, Legal Method and Legal System, Property I

^{*} On leave of absence 1949-50.

CONDER CAYWOOD HENRY

Adjunct Professor of Law A.B. 1915, LL.B. 1920. The George Washington University. Examiner 1915-24.
Principal Examiner, U. S. Patent Office 1924-41; Assistant Commissioner of Patents 1041-46; Manager, Washington Patent Department, Radio Corporation of America 1946-; Adjunct Professor of Law 1948-, The George Washington University.

Subject: Patent Moot Court, Patent Office Practice

PHILIP FIELD HERRICK

A B. 1929. Williams College: LL.B. 1933. LL.M. 1936. The George Washington University. Assistant Editor. U. S. Law Week 1912-14: Assistant Connel, National Recovery Administration 1933-35: in Practice of Law with Barbour, Garnett & Pickett, Washington (D. C.). 1035-59: Regional Director, Wage and Hour Division 1939-42: U. S. Attorney for Puerto Rico 1942-48; Member, Appeal Board, Office of Contract Settlement 1948-; Professorial Lecturer in Law 1948-. The George Washington University. Professorial Lecturer in Law University.

Subject: Moot Court

JOHN WINGFIELD JACKSON

B.S. 1928, University of Pennsylvania; LL.B. 1942, The George Washington University. In Practice of Law 1932-36; Assistant U. S. Attorney for the District of Columbia 1936-41; Member, Jackson, Hannah & Jackson, Washington (D. C.), 1941-; Adjunct Professor of Law 1948-, The George Washington University.

Subject: Moot Court Adjunct Professor of Law

JOHN ALEXANDER KENDRICK

Assistant Clerk of the Moot Court

A.B. 1942, LL.B. 1943, The George Washington University. In Practice of Law,
Washington (D. C.), 1946-; Assistant Clerk of the Moot Court 1948-, The George
Washington University. Subject: Moot Court

JAMES ROBERT KIRKLAND

A.B. 1927. LL.B. 1928. LL.M. 1929. The George Washington University; C.P.A. (Delaware) 1935. Assistant U. S. Attorney for the District of Columbia, 1929-34: Member 1935. Cromelin, Townsend, and Kirkland, Washington (D. C.); Lecturer in Law 1934-45: Adjunct Professor of Law 1945-, The George Washington University. Subject: Moot Court

BOLITHA JAMES LAWS

Adjunct Professor of Law

I.I. B. 1911, Lt. M. 1914, Georgetown University. Assistant U. S. Attorney for the
District of Columbia 1914-20; Assistant General Counsel, U. S. Shipping Board 1921-22;
Member, Cromelin & Laws, Washington (D. C.), 1922-38; Judge 1938-45, Chief Judge
1945-, District Court for the District of Columbia; Judge, U. S. Emergency Court of
Appeals 1943; Adjunct Professor of Law 1939-41, Southeastern University: Adjunct
Professor of Law 1947-, The George Washington University. Subject: Moot Court

LOUIS LOSS

Professorial Lecturer in Law BS 1311. University of Pennsylvania: I.L.B. 1937, Yale University. Attorney 1937-44. Chief Coursel 1944-48. Division of Trading and Exchanges. Associate General Counsel 1940-. U. S. Securities and Exchange Commission; Lecturer in Law 1941-42. Catholic University of America; Visiting Lecturer in Law 1947-. Yale University; Professorial Lecturer in Law 1940-. The George Washington University.

Subject: S.E.C. Aspects of Corporate Finance

ELLIOTT DEJARNETTE MARSHALL

Adjunct Professor of Laev

LL.B. 1930, The George Washington University. In Practice of Law, Front Royal

(Va.), 1930-46; Judge, Seventeenth Judicial Circuit of Virginia 1946-; Adjunct

Professor of Law 1948-, The George Washington University. Subject: Moot Court

JOHN ALBERT McINTIRE

Professorial Lecturer in Law

A.B. 1928, Wittenberg College; LL.B. 1931, University of Cincinnati; Research Fellow
1935-36, Harvard University Law School; Editor 1937-41, Municipal Law Journal;
Executive Director 1937-41, National Institute of Municipal Law Officers; Faculty Editorin Chief 1932 42. The George Washington Law Review; Member of Appeal Board, Office of Contract Settlement 1946-; Instructor in Law 1941-44, Assistant Professor of Law
1941-48, Assistant Professor of Law 1938-46, Professorial Lecturer in Law 1946-. The
George Washington University.

Subject: Municipal and Government Corporations

*LEROY SORENSON MERRIFIELD

Associate Professor of Law

Associate Professor of Law

A.B. 1938, LL.B. 1941, University of Minnesota, M.P.A. 1942, Harvard University

Administration Fellow, Graduate School of Public Administration, Harvard University

1041-42. Attorney, Office of Price Administration 1942. Attorney, Auttrest Division,

U.S. Department of Justice 1946-47. Assistant Professor of Law 1947-48. Associate

Professor of Law 1948-, Acting Dean of the Law School 1948-49, The George Washington University.

GEORGE EDWARD MONK

Professorial Lecturer in Law

A.B 1928, LL.B. 1930, LL.M. 1934, The George Washington University. In Practice of Law with Darr and Darr, 1930-34, with Frank J. Hogan 1934-41, with Hogan & Hartson 1945- Washington (D. C.); Allied Military Government, Sicily and Italy 1943-45. Lecturer in Law 1947-48, Professorial Lecturer in Law 1948- . The George Washington University. Subjects: Wills, Moot Court

IAMES WARD MORRIS

Adjunct Professor of Law

AB. 1912, University of North Carolina. In Practice of Law 1913-33; Special Assistant
to the Attorney General 1933-34; Assistant Attorney General of the United States
1935 1. Associate Justice 1939 United States Destret Count for the District of
Columbia; Adjunct Professor of Law 1939 The George Washington University. Subject: Moot Court

JAMES OLIVER MURDOCK

Protessor of Law

Processor of Law

Ph. B. 1916. University of Chicago; LL.B. 1924. Harvard University. Certificate
1921. Academy of International Law at The Hague. In Practice of Law with Cadwallader,
Wickersham and Tatt 1924-25. New York City: Assistant U. S. Attorney 1925-27. Southern Distract of N. Y.: Assistant Solicitor and Assistant Legal Adviser 1922-36. U. S.
Dept. State; Counsel for United States 1929-33, before International Joint Commission.
United States-Canada; Secretary to American delegation 1928-29, International Conference
of American States on Conciliation and Arbitration; Counsel for United States 1922United States-Sweden Arbitration; in Private Practice of Law 1937-46; Chairman,
1935-37, A.B.A. Section of International and Comparative Law; Lecturer 1945 and
1948 Sessions, Inter-American Academy of Comparative and International Law, Havana,
and member of Contains and Destruction of Law 1944-46. Professor of Law 1946-The George Washington University.

Subjects: Comparative Law, International Law, International—Comparative
Law Seminar, Criminal Law

Law Seminar, Criminal Law

FRANK HAMMETT MYERS

Adjunct Professor of Law

LL.B. 1923, LL.M. 1924, The George Washington University. In Practice of Law with

Norman B. Frost and Frederic N. Towers, Washington (D. C.), 1924-48: Judge.

Municipal Court of the District of Columbia 1948-; Adjunct Professor of Law 1948-,

The George Washington University.

Subject: Moot Court

On leave of absence 1949-50.

SAUL CHESTERFIELD OPPENHEIM

Professor of Law; Executive Officer

A.B. 1018. A.M. 1920, Columbia University: J.D. 1926, S.J.D. 1929. University of Michigan. Instructor in Economics 1921-26, Teaching and Research Assistant to Dean of Law School 1926-27, University of Michigan; Assistant Professor of Law 1927, 30, Associate Professor of Law 1930-40, Acting Dean, winter term 1948, Professor of Law 1940-40, The George Washington University; Editor-in-Chief, 1942-46, The George Washington Clate Professor The George Law Review.

Subjects: Unfair Trade Practices, Federal Anti-Trust Laws, Trade Regulation

Seminar

HERMAN ISRAEL ORENTLICHER

Associate Projessor of Law

AB 1913, LL.B. 1936, Harvard University. In Practice of Law 1916-17; Law Clerk.

U. S. Court of Appeals for the District of Columbia 1918; Attorney, U. S. Housing
Authority 1919 43; Assistant General Counsel, National Housing Acency and Housing
And Home Finance Agency 1944-48; Associate Professor of Law 1949-, The George
Washington University.

Subjects: Legal Method, Negotiable Instruments, Contracts, Sales

CARL ROHRER PRICE

ARL RUHRER PRICE.

Professorial Lecturer in Law

A.B. 1935. Vandesbilt University; A.B. 1939, Oxford University; LL.B. 1940. Yale

Liversity. Law Clerk. U. S. Court of Appeals for the Second Circuit 1940-41; in

Practice of Law, Washingtom (D. C.). 1941-42; Law Clerk. U. S. Supreme Court

1945-47; Special Attorney, Bureau of Internal Revenue 1947-49; Assistant General

Counsel, Department of the Treasury 1949-; Professorial Lecturer in Law 1948. The

George Washington University.

Subject: Federal Taxation

CHARLES SYLVANUS RHYNE

Protessorial Lecturer in Law

LLB. 1937. The George Washington University. In Practice of Law, Washington

(D. C.) 1937. : General Counsel, National Institute of Municipal Law Officers 1938. :

Lecturer in Law 1945. American University; Professorial Lecturer in Law 1949. The

George Washington University.

Subject: Aviation Law

RAYMOND STEVENS SMETHURST

B.S. 1930. Harvard University; LL.B. 1934, The George Washington University.

Member of legal staff 1934-41, General Counsel 1941-, National Association of Manufacturers; Professorial Lecturer in Law 1948-, The George Washington University.

Subject: Labor Law

CHARLES W. TAINTOR II

Visiting Professor of Law
Visiting Professor of Law
A.B. 1918, LL.B. 1935, LL.M. 1936, S.J.D. 1910, Harvard University. Instructor in
A.B. 1918, LL.B. 1935, LL.M. 1936, S.J.D. 1910, Harvard University. Instructor in
Law 1913-37. Louisiana State University: Assistant Professor of Law 1917-18. University of Nebraska; Professor of Law 1919-42, University of Professor of Law 1949. The George
Law 1942-, University of Pittsburgh; Visiting Professor of Law 1949. Law 1042- University of Pittsburgh; Washington University. Subjects: Conflict of Laws, Property

FRANCIS GERALD TOYE

Professorial Lecturer in Law

B.S. in E.F. 1927, Clarkson College of Technology; LL.B. 1932, The George Washington
University. Patent Attorney, General Electric Company 1931—; Professorial Lecturer in
Law. 1948—, The George Washington University. Subject: Patent Law

WILLIAM CABELL VAN VLECK

Professor of Law

A.B. 1908, LL.B. 1911, LL.D. 1948, The George Washington University: S.I.D. 1921.
Harvard University. Member Summer Faculty 1924 and 1929 at University of Michigan.
1927 at Stanford University, 1934 at University of Chicago: one of the Advisers to the

Reporter on Conflict of Laws 1926-34. American Law Institute: Research Fellow 1910-31. Harvard University Law School: Instructor in Law 1912-16. Assistant Professor of Law 1919-6. Secretary of the Law School 1912-20. Acting Dean of the Law School 1923-24. Dean of the Law School 1924-49. The George Washington University.

Subjects: Conflict of Laws, Torts

THE DEAN'S COUNCIL •

Carville Dickinson Benson John Patrick Burke Charles Sager Collier Robert McKinney Cooper James Forrester Davison August Gottlieb Eckhardt

Donald James Farage
William Thomas Fryer

Leroy Sorenson Merrifield
James Oliver Murdock
Saul Chesterfield Oppenheim
Herman Israel Orentlicher

William Cabell Van Vleck

GENERAL INFORMATION

The George Washington University Law School, established in 1826, discontinued, and reorganized in 1865, is the oldest law school in the District of Columbia. Its course of instruction is planned to fit its graduates for the practice of law in any of the states of the United States. It is also designed to prepare students for public service as lawyers in the Federal Government or the governments of the states. In 1900 the School took part in the organization of the Association of American Law Schools and it has been a member of the Association since that time. The School is approved by the Council of Legal Education of the American Bar Association.

ORGANIZATION OF THE ACADEMIC YEAR

The work of the year is organized into three terms known as the fall term, winter term, and summer term. The summer term is divided into two eight-week sessions, which together constitute a full term.

THE LIBRARY

The Law Library of 27,000 volumes contains the official reports of the decisions of the courts of last resort of all the states prior to the National Reporter System and of fourteen states complete to date; the National Reporter System, complete; the reports of the United States Supreme Court and lower federal courts, and the reports of federal administrative agencies; Shepard's Citations for the units of the Reporter System; the English Reprint and English Law Reports; the United States Statutes; the United States Code, Annotated, and the Federal Code, Annotated; reasonably complete sets of statutes of all of the states; the English statutes; the principal English and American

‡ On leave of absence 1949-50.

[•] The President of the University and the Dean of the Law School are ex officio members of the Council.

digests and encyclopedias; collections of special reports and annotated

cases; and the leading textbooks and legal periodicals.

The Library is open from 9:00 A.M. to 10:00 P.M. each class day (Saturday, 9:00 A.M. to 5:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

THE LAW REVIEW

The George Washington Law Review, published by the University, is edited by the Faculty and students of the Law School. It is devoted exclusively to state and federal public law. The location of the University in the National Capital, where federal public law may be observed in operation, affords an unexcelled opportunity for specialization in this field.

The Review is edited by a faculty editor-in-chief, a faculty board of associate editors, a board of departmental advisory editors, and a board of student editors. The student editors are chosen each year on the basis of scholarship.

RESEARCH IN PUBLIC LAW

Washington, the capital of the Nation, furnishes unsurpassed advantages for research in the fields of public law. In it are the offices of the major executive departments, the Congress, the Supreme Court of the United States, and lower federal courts. In the executive departments and among the many independent establishments of the Federal Government there have been estimated to be between seventy-five and one hundred agencies, the activities of which involve the various branches of public law, particularly administrative law. The student of public law can study at first hand the work of these administrative agencies. He also has available as sources for investigation their records of administrative adjudications.

Research in public law will be conducted under the supervision of members of the faculty. The purpose of this research is to furnish means for training specialists in public law, either as government lawyers or as lawyers representing individuals or corporations in cases in which the Government is a party, and to assist in the analysis, clarification, formulation, and improvement of public law, substantive and procedural.

Candidates for the graduate degrees in the Law School and seniors who are eligible for the degree of Juris Doctor may pursue this work. Other students may be admitted with the special permission of the professor in charge.

COURSE OF STUDY FOR FOREIGN LAWYERS

This course of study is designed to meet the needs of lawyers who come from countries the legal systems of which are based on the Roman or Civil Law. It attempts to provide for such students a course suffi-

cient to enable them to acquire an understanding of the fundamentals of the common law so that they may work intelligently with common law materials and common law practitioners. In this program the students are not assigned to special classes but work in association with other students in the regular law subjects. No fixed program of required courses is attempted, but each student is permitted to work out a program best adapted to his individual needs.

THE STUDENT BAR ASSOCIATION

Every student in the Law School is automatically a member of the Student Bar Association, the purpose of which is to enable the student to become better acquainted with problems of the profession, to develop better professional ideals, and to bring about closer contact with members of the profession engaged in active practice of the law.

The work of the Student Bar Association is carried on by various committees and by group and general meetings of a professional and social nature. From time to time lectures are given by outstanding authorities on legal and professional problems.

Each member of the Student Bar Association receives a subscription to The George Washington Law Review.

PRACTICE AND PRACTICE COURT

The curriculum is planned to include such training in the fundamentals of practice as is feasible in a law school. Classroom instruction is conducted in the theories of pleading and procedure, trial and appellate practice, and evidence. This instruction includes grounding in the principles of the new Federal Rules of Civil Procedure. In addition each senior student is required to participate in the work of the Practice or Moot Court. This includes trying a specified number of cases, both as a senior counsel and junior counsel. For students who are planning to practice patent law, a special section of the court is devoted exclusively to the trial of patent cases. Experience in preparing and arguing appellate court cases is also available through the Case Club Competition.

ORDER OF THE COIF

The Order of the Coif, a national honor society with chapters in thirty-eight law schools, aims "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship". The George Washington University Chapter was established in 1926. Members are elected each year from the highest-ranking 10 per cent of the graduating class of the Law School.

ADMISSION

APPLICATION FOR ADMISSION

An applicant for admission must obtain from the Office of the Director of Admissions an application blank which he must fill out completely and

A recent photograph, with signature, of the applicant must be attached to the blank.

To insure prompt action, application should be filed not later than July I for the fall term, January I for the winter term, and May I for the summer term.

The applicant must request the registrar of each higher institution previously attended to mail directly to the Office of the Director of Admissions the transcript of his record, even though credits were not earned, together with an honorable dismissal from the institution last attended. The student must be in good standing as to scholarship and conduct, and must be eligible to return to the previously attended institution in the term for which he or she seeks admission to The George Washington University.

REQUIREMENTS FOR ADMISSION

For the Degrees in the Professional Course

Bachelor of Laws* and Juris Doctor +. - A Bachelor's degree awarded upon completion of a four-year course in an approved college or university is required. From the applicants fulfilling the basic requirement of a college degree, a selection will be made by the Committee on Admissions.

ADVANCED STANDING

Advanced standing toward the degree of Bachelor of Laws may be granted for work successfully completed in other law schools which are members of the Association of American Law Schools.

Applicants for admission with advanced standing must file certified transcripts of record showing high school, college, and law credits. The right is reserved to refuse such credit, in whole or in part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work. No student admitted with advanced standing will be recommended for the degree of Bachelor of Laws until he has completed in this School at least one full year of residence and passed successfully twenty-eight credit hours with the required average for the

Two years of college work, that is, not less than one-half the work necessary for graduation from an approved college or university will be accepted as satisfying the admission requirements for students who served for 20 months in the armed forces of the United States during World War II and who have been in resultar and continuous attendance at this University since the beginning of the 1948 fall term.

1 A Bachelor's degree which includes credits for work done in this or any other Law School will not satisfy the admission requirement for this degree.

degree. No student will be admitted who has been in attendance at another law school and who is ineligible, because of poor scholarship, to return to that school.

Students planning to attend summer school sessions at other law schools and desiring to use credits obtained at such schools in their course at this Law School must first have the courses they wish to take approved by the Dean. In no event will credits be recognized in excess of those which might be obtained in a similar period in this School.

Advanced standing toward the degree of Juris Doctor for work in other law schools will not be granted.

For the Degrees in the Graduate Course

Candidates for graduate degrees must be accepted by the Committee on Graduate Studies.

Master of Laws.*—A Bachelor's degree awarded upon completion of a four-year course in an approved college or university and the degree of Bachelor of Laws, or the equivalent, from an approved law school are required.

Master of Comparative Law.—The following are required: (1) the successful completion of and graduation from a course in arts, philosophy, letters, or sciences, equivalent to graduation from a gymnasium, lycee, or liceo (junior college); and (2) graduation in law from a recognized foreign university where the legal training was in Civil Law.

Doctor of Juridical Science.—The following are required: (1) the degree of Juris Doctor from this Law School, or (2) the degree of Bachelor of Arts from an approved college, the degree of Bachelor of Laws or the equivalent, earned with high rank, from an approved law school, and outstanding capacity for scholarly work in the field of law.

Unclassified Students

A person eligible for admission to regular standing but not a candidate for a degree may, at the discretion of the Dean, be admitted as an unclassified student.

A person who is in good standing as a candidate for a degree in another approved law school may, at the discretion of the Dean, be admitted as an unclassified student. Work taken by an unclassified student will not be accepted for credit toward a degree at this Law School.

REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in the Law School until

^{*} Two years of college work, that is, not less than one-half the work necessary for graduation from an approved college or university will be accepted as satisfying the admission requirements for students who served for an omnthe in the armed forces of the United States during World War II and who have been in regular and continuous attendance at this University since the beginning of the 1048 fall term.

proper credentials have been filed and approved (see "Admission", above).

Registration is for the term or session only.

A late-registration fee of \$5 will be charged each student who is permitted to register after the regular registration days.

Registration may be changed only with the permission of the Dean. FEES AND FINANCIAL REGULATIONS

For work leading to and including the final examinations..... 360.00 Student Bar Association fee, for each term, or any part thereof except the summer term.... 2.00 20.00

Fee for printing and filing summary of doctoral dissertation. Graduation fee 50.00 5.00 Fee for special examinations, for each subject.... Late-registration fee, charged each student who fails to register within the 8.00 1.00

Reinstatement fee, charged each student who is reinstated after being suspended for delinquency in fees.....

Registration in the University entitles each student to the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Placement Office; (3) the use of University library facilities, except as otherwise designated; (4) gymnasium privileges; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the University Hatchet, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services as described under "Health Administration", pages 25 and 26. These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dropped from the University.

PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each term are due and payable in advance at the time of registration.

Subject to the approval of the Comptroller, a student may sign a contract for term charges, except for fees payable in advance, permitting

payments as follows:

Fall Term .- One third at the time of registration; one third on November 3; one third on December 3.

Winter Term .- One third at the time of registration; one third on March 3; one third on April 3.

A student who fails to meet payments when due but who pays his fees on or before the tenth day of the month in which payment is due is charged a service fee of \$1. A student who fails to meet payments by the tenth day of the month in which payment is due will be suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of \$5. A suspended student may not be reinstated for the term after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean.

WITHDRAWALS AND REFUNDS

Application for withdrawal from the University or for change in class schedule must be made in person or in writing to the Dean. Notification to an instructor is not an acceptable notice.

In authorized withdrawals and changes in schedules, financial adjust-

ments will be made as follows:

Fall Term.—Withdrawal dated on or before October 31, cancellation of two-thirds of tuition charges; withdrawal dated on or before November 30, cancellation of one-third of tuition charges. No refund or reduction will be allowed on a withdrawal dated subsequent to November 30.

Winter Term.—Withdrawal dated on or before February 28, cancellation of two-thirds of tuition charges; withdrawal dated on or before March 31, cancellation of one-third of tuition charges. No refund or reduction will be allowed on a withdrawal dated subsequent to

March 31.

In no case will a refund be made of the first third of the total tuition charges unless the registration is in advance and the course is dropped before the regular registration day. In this case a withdrawal fee of \$5 is charged and tuition fees are refunded. In no case will tuition be reduced or refunded because of nonattendance upon classes.

Payment applies only to the term for which a registration charge is incurred and in no case will this payment be credited to another term.

Authorization to withdraw and certification for work done will not be given a student who has not a clear financial record.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

Charles Worthington Dorsey Memorial Scholarship.—This scholarship, established as a memorial to Charles Worthington Dorsey, Bachelor of Laws '81, Master of Laws '82, is awarded upon the recommendation of the Faculty of the Law School to a needy and promising graduate of Columbian College or other division of the University, with a Bachelor of Arts or other equivalent degree, who has maintained an average of B as an undergraduate student and who desires to pursue the study of law as a full-time student. The scholarship covers tuition for the course leading to the first degree from the Law School, Bachelor of Laws or Juris Doctor, provided that the holder maintains an average of B. The

right is reserved to suspend the benefits of the scholarship for cause at any time. The scholarship is awarded ordinarily once every three years.

All other scholarships are administered by the University Committee

on Student Loans and Scholarships.

The following prizes are awarded annually in the Law School:

Ellsworth Prize.—The Ellsworth Prize of \$25, established by the late Mr. Fritz von Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice.

John Bell Larner Prize.-This prize, established by the bequest of John Bell Larner, consists of a medal which is awarded annually to that member of the graduating class in the Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws.

John Ordronaux Prizes.—These prizes were established in 1909 by the bequest of John Ordronaux. The amount of \$35 is awarded annually to the student in the Law School who has attained the highest average grade in the first-year, full-time course; and \$35 to the student who has attained the highest average grade in the second-year, full-time

Through the generosity of friends of the University a number of loan funds are available to students in the Law School. Among them is the Henry Strong-William A. Maury Loan Fund established by the Henry Strong Educational Foundation in memory of Henry Strong and William A. Maury. Application for loans should be made to the Comptroller of the University.

REGULATIONS

Students in the Law School are subject to, and are expected to familiarize themselves with, the general University regulations stated in the University Catalogue.

AMOUNT OF WORK

Students without substantial outside employment may take a full-time program of studies in which the majority of credit hours must be in morning sections. Students with substantial outside employment must take a limited program of studies not exceeding ten hours a week.

ATTENDANCE

Regular attendance on classes is required and is necessary for successful work. A student who is deficient in class attendance in any subject may, by action of the Dean's Council, be barred from taking the examination in that subject.

RESIDENCE REQUIREMENTS

A year's attendance in the evening classes is counted as residence for three fourths of a year. A student admitted with advanced standing must complete at least one year of residence in this School and pass twenty-eight credit hours with the required average for the degree. A full-time student enrolled in a schedule of less than ten hours a week will receive residence credit in the ratio that the hours passed bear to ten. A part-time student enrolled in a schedule of less than six hours a week will receive residence credit in the ratio that the hours passed bear to six.

GRADES

Grades are indicated by the letters A. excellent, 85-100; B, good, 75-84; C, satisfactory, 65-74; D, poor 55-64—below standard for graduation; and F, failed—below 55.

The grades A, B, C, and D, mean that the work has been completed

and credit given for the subjects.

F, failed, means that no credit will be given. To obtain credit the student must repeat the subject; but a student who has obtained an average of C in the work of the calendar year and received a grade of F in only one subject may take the next regular examination in that subject, and if on such reexamination he obtains a passing grade he will be given credit in the subject. Both grades are recorded.

EXAMINATIONS

Written examinations are held at the end of each course. Every student is required to take the regular examinations in the subjects pursued, unless excused. No excuse for absence will be granted except by the Dean and then only for illness or other emergency. Application for excuse must be made in writing not later than one month after the date of the examination. A student thus excused may take the next regularly scheduled examination in the subject for which the excuse has been granted.

No special examinations will be given; except that, upon written application to the Dean's Council, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take a postponed examination, may, at the discretion of

the Dean's Council, be given a special examination.

If a student fails to take an examination, a grade of F will be recorded, to be counted as a zero in computing the student's average, unless the student has either obtained the Dean's permission to withdraw from the course or to be excused from the examination.

EXCLUSION AND PROBATION FOR POOR SCHOLARSHIP

A student who during a calendar year (from the beginning of the summer term to the end of the winter term) fails in courses aggregating eight or more credit hours will be excluded. Such a student is not eligible to be registered in the Law School or to attend classes. He may, however, be admitted to the next regular examinations in those

subjects in which he has made a grade below passing, and if he receives a grade of passing in these subjects with an average sufficient to make his general average not less than C, he will be reinstated.

A student not subject to exclusion under the foregoing rule who at the end of a calendar year has failed to maintain a general average of at least C, will be on probation during the next calendar year. A student on probation may at the discretion of the Dean be required to reduce his program of study. A student on probation will be excluded at the end of the probationary year unless he has made grades sufficient to give him a general average of at least C.

The general average of a student includes all the grades in all the subjects taken while he is in the Law School working for a particular degree. When a subject is repeated or a reexamination is taken, both the first grade and the subsequent grade or grades are counted in the general

average.

In special cases in which it is clear that the student's failure does not indicate lack of ability to pursue the study of law, the student who has become subject to exclusion may be readmitted by vote of the Dean's Council of the Law School.

No student is put on probation or excluded after only one term of

Law School work.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of credit hours as follows: first year, one through twenty-eight; second year, twenty-nine through fifty-six; third year, fifty-seven or more.

RIGHT TO DROP STUDENTS

The right is reserved by the University to drop any student from the University or from any class or classes, whenever, in the interest of the student or the University, the University Administration deems it advisable to do so.

STUDENT LIFE

LIVING ACCOMMODATIONS

Women Students.—Women students under twenty-one years of age who are enrolled for twelve or more credit hours of academic work in the University must have their residences approved by the Director of Activities for Women before their registrations can be completed. In the women's residence halls, single rooms are \$30 and \$35 a month; double rooms are \$23 and \$28 a month a person. Meals are served at the Student Union. Applications for rooms should be made well in advance. Forms for application, together with detailed information, may be obtained from the Director of Activities for Women.

Men Students.-Welling Hall provides double room facilities for 102

students. Dining facilities are available to all residents of this dormitory. Rooms rent for \$24 a month a person. Single and double rooms are provided for 203 students in Draper and Bradley Halls. These are temporary dormitories and residence is restricted to veterans of World War II who are enrolled for a minimum of twelve credit hours of academic work in the University. Single rooms are \$17 a month; double rooms are \$13 a month a person. The University maintains a limited number of temporary apartment units for married veteran students and their families subject to the same requirements for tenancy as above. Meals are served at the Student Union.

Application forms for reservations may be obtained from Director of Activities for Men.

Information concerning private rooming and boarding facilities near the University for women students twenty-one years of age or older and for men students may be obtained at the office of the Director of Activities for Women and the Director of Activities for Men. The reservation of rooms in private houses must be made by students.

STUDENT EMPLOYMENT

The prospective student who expects to earn any part of his expenses and who does not have a definite appointment to a position should have the means of support for at least one term.

Many out-of-town students secure positions in the departments of the Government in Washington by taking the United States Civil Service examinations in their home states.

Students wishing full- or part-time employment should apply at the Placement Office, 2131 G Street NW.

The Student Bar Association of the Law School also assists students in securing part-time employment which offers experience in preparation for the practice of law.

HEALTH ADMINISTRATION

The University maintains a health service that is primarily diagnostic in its intent. For medical emergencies and health consultations there is, on the Campus, a Student Health Clinic open from 9:00 A.M. to 5:00 P.M., with physician and nurse in attendance. There is also a rest room for women, with a graduate nurse in charge.

Medical privileges include: (1) the physical examination of every student entering from secondary school; (2) three visits by the University physician or surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and nursing in the University Hospital for not more than one week during a school year—the necessity to be determined by the Director of Health

Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not apply to illness or disability incurred previous to the University term or prior to payment of tuition fees.

The student is allowed if he so desires, to engage physicians and nurses of his own choice, but when he does so he will be responsible for

the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) a student who has severed his connection with the University is ineligible for medical benefits; (4) a student intending to train for an athletic team is required to pass a thorough examination at the beginning of each term; (5) the above regulations apply also during the summer term of the University.

The University is not responsible for injuries received in inter-collegiate or intra-mural games, or in any of the activities of the departments of

physical education.

PLACEMENT SERVICE FOR GRADUATES

The Law School takes a continuing interest in the placement of its graduates. The Dean and faculty cooperate with the Placement Committee of the Student Bar Association in assembling information regarding opportunities for legal positions throughout the country. A register of openings for graduates is maintained based upon information received from alumni of the school, law firms, and government agencies. Students are invited to discuss their placement problems with the appropriate Law School officials and to file applications during their senior year in the Office of the Dean.

THE DEGREES

IN THE PROFESSIONAL COURSE

These degrees are Bachelor of Laws (LL.B.) and Juris Doctor

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

To be recommended for this degree the student must have completed: a residence period of not less than three academic years on a fultime basis (four years on a part-time basis) in an approved law school, the last year to be in this School; and eighty credit hours with a general average of at least C, in courses described on pages 33-39, including the course in Moot Court.

Combined Degrees of Bachelor of Arts and Bachelor of Laws.*—A candidate for the combined degrees of Bachelor of Arts and Bachelor of Laws must: (1) complete three years of satisfactory college work; (2) fulfill the residence requirement of at least thirty credit hours of Columbian College, the School of Government, or the School of Education; (3) obtain the approval of the Dean of the college concerned at the time of entering the Law School: (4) complete, without a failure in any subject and with an average grade of not less than middle C. the work of the first year in the Law School. The degree of Bachelor of Arts will be conferred at the end of the first year in the Law School, provided the above conditions have been satisfied. The degree of Bachelor of Laws will be conferred upon the satisfactory completion of the law course. Law school work taken at another institution will not satisfy the law requirement for the combined degrees.

Combined Degrees of Bachelor of Science in Engineering and Bachelor of Laws.*-For those students who desire to enter the branches of the legal profession in which a background in engineering is necessary a sixyear curriculum is offered, leading to the combined degrees of Bachelor of Science in Engineering and Bachelor of Laws. A candidate for the combined degrees must conform to the residence and scholarship requirements of the School of Engineering throughout the period of preparation for the degree in engineering. His scholarship level for the junior and senior years must be acceptable to both the School of Engineering and the Law School. During the junior and senior years he must complete: (1) the required courses in engineering, (2) the 28 credit hours of courses required in the first year of the Law School, and (3) such electives as he needs to satisfy the 140 credit-hour requirement for the degree in engineering. The first year work in the Law School must be completed without a failure in any subject and with an average grade of not less than middle C. Upon the satisfactory completion of the senior year, the degree of Bachelor of Science in Engineering will be conferred. The student will then continue his studies in the Law School; upon the satisfactory completion of which the degree of Bachelor of Laws will be conferred.

REQUIREMENTS FOR THE DEGREE OF JURIS DOCTOR

This degree is conferred as a recognition of the completion at the George Washington University Law School, with high rank, of the full professional course of not less than three full years (four years on a part-time basis) including experience in research and legal authorship.

^{*}Registration for work toward the combined degrees is limited to (1) regular students of the University in continuous attendance since the 1947 winter term registration. (2) students who have completed not less than 20 months of continuous service in the armed forces of the United States during World War II and who have been in regular and continuous attendance at this University since the beginning of the 1948 fall term.

To be recommended for this degree the student must have completed:
(1) a residence period of not less than three academic years on a full-time basis (four years on a part-time basis) in the Law School; (2) eighty credit hours with a general average of at least B. in courses described on pages 33-39, including the course in Moot Court and one of the following courses: Comparative Law, Jurisprudence, or one of the graduate seminars; and (3) one year of acceptable service on the board of student editors of The George Washington Law Review, election to which is subject to regulations laid down by the faculty. Students taking the combined Arts and Law or Engineering and Law course are not eligible for this degree.

Honors

The degree of Bachelor of Laws or of Juris Doctor "with distinction" will be awarded the student who obtains a general average of A in the work for the degree.

IN THE GRADUATE COURSE

These degrees are Master of Laws (LL.M.), Master of Comparative Law (M.Comp.L.), and Doctor of Juridical Science (S.J.D.).

REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have completed with a satisfactory average twenty credit hours of subjects in the graduate curriculum. In individual cases, third- or fourth-year subjects listed in the professional curriculum may be included in the program of study. All requirements for this degree must be completed in this Law School in a period not exceeding two academic years.

REQUIREMENTS FOR THE DEGREE OF MASTER OF COMPARATIVE LAW

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have completed satisfactorily twenty-four credit hours of approved subjects in the curriculum of the Department of Law or of such other departments of the University as the faculty of the Law School shall approve.

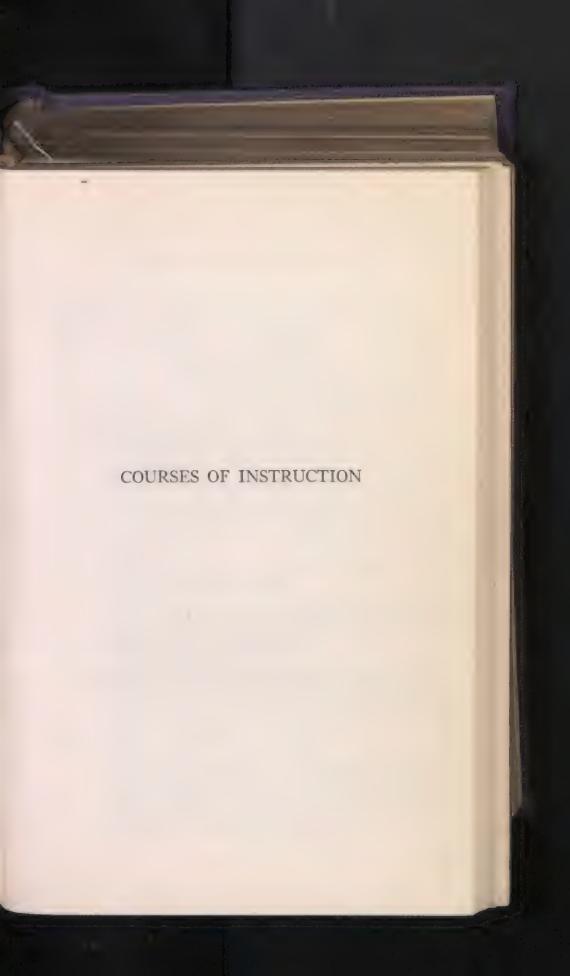
REQUIREMENTS FOR THE DEGREE OF DOCTOR OF JURIDICAL SCIENCE

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have pursued a course of study and research designated by his consultative committee and approved by the Committee on Graduate Studies. At the conclusion of his first year of residence, or at such other time as the Committee on Graduate Studies may set, the candidate must pass an oral examination in those fields of study selected by the consultative committee. This examination shall be conducted by the consultative committee and such other members of the faculty and qualified experts from other research institutions as may be selected by the Committee on Graduate Studies.

Not later than the date specified in the University calendar the candidate must submit to the Dean one typewritten original and two legible and complete carbon copies of his dissertation in its final form. The dissertation must contain a summary of from 2,500 to 3,000 words inserted as an appendix. An additional original typewritten copy of this summary must be submitted for publication. To be acceptable the dissertation must, in the opinion of the examining committee, constitute a substantial contribution to the field of law concerned and be suitable for publication. Additional information will be supplied by the Chairman, Committee on Graduate Studies.

The summaries of accepted theses will be printed in a volume forming a number of the University Bulletin. The successful candidate for the doctorate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his dissertation.







COURSES OF INSTRUCTION

The courses of instruction listed below are subject to change. The University reserves the right to withdraw any course announced.

The number which precedes the name of a course indicates the term in which that course is offered. An odd number indicates that the course is offered in the fall term; an even number, that it is offered in the winter term; and a double number (e.g., 241-42), that it begins in the fall and continues in the winter term. The letter "x" following an odd course number (e.g., 141x) indicates that the course, normally offered in the fall term, is given in the winter term. The letter "x" following an even course number (e.g., 112x) indicates that the course, normally offered in the winter term, is given in the fall term.

First-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third year courses, from 301 to 400; and graduate

courses, from 401 to 500.

The number of hours of credit given for the satisfactory completion of a course is indicated in parentheses after the name of the course. Thus, a year course giving two hours of credit each term is marked (2-2), and a term course giving two hours of credit is marked (2).

Morning classes begin at 9:10 a.m. Evening classes begin at 5:50 p.m.

- 102 Agency (2) Cooper,
 Problems of agency in the conduct of business. Seavey, Cases on
 Agency. Morning and evening sections.
- Promissory obligation: offer and acceptance, consideration, statute of frauds, formal instruments, rights of third parties, assignments, joint obligations, conditions, performance, discharge. Casebook to be announced. Morning and evening sections.
- 123 Criminal Law and Procedure (4) Murdock, Cooper Elements of criminal liability; specific crimes; combinations of persons in crime; criminal procedure. Harno, Cases and Materials on Criminal Law and Procedure, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)
- 129-30 Legal Method and Legal Fryer, Benson, -System (2-2)

Introduction to study of substantive and procedural law. Examination of basic concepts with training in method and technique of case law, based upon modern records in state and federal cases and individual practice in the use of law books and legal writing. Importance of language in law and legal reasoning, both apart from and in connection with statutory interpretation and as affected by the use of precedents, under the doctrines of stare decisis, law of the case, and

res judicata. Background on development of the English and American legal systems; organization of the judiciary and the bar, stress-ing enforcement of ethical standards. Fryer and Benson, Cases and Materials on Legal Method and Legal System. Morning and evening sections. (Also offered 1949 summer term.)
Law 129x—same as Law 129, but offered winter term. Morning

and evening sections.

- 133 Property I (4) Fryer, . Concepts of property, possession, and ownership; legal relations with respect to chattels and documentary intangibles created by gift, sale, pledge, lien, bailment, etc. Fraser, Cases on Property, Vol. II, 2d ed.; Fryer, Readings on Personal Property, 3d. ed. Morning and evening sections.
- 138 Property II (4) Benson, Taintor Real property; introduction; estates, seisin, landlord, and tenant; future interests at common law and under the statutes of uses and wills; merger, elementary study of remoteness and powers; adverse possession; prescription; natural rights. Fraser, Cases on Property, Vols. I and II. 2d ed. Morning and evening sections. (Also offered 1949) summer term.)
- Van Vleck, 14IX Torts (4) Civil liability for harms to legally protected interests. Thurston and Seavey, Cases on Torts. Morning and evening sections. (Also offered 1949 summer term.)
- 205x Civil Procedure (4) Burke, Farage Function and composition of pleadings, including their relation to proof. Emphasis is upon reforms, as exemplified by modern code provisions and the Federal Rules of Civil Procedure. Clark, Cases on Pleading and Procedure, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)
- 214x Constitutional Law (4) Collier, Farage Historical introduction; judicial approach and methods; doctrine of the separation of powers; powers of the National Government; the federal system; relation of the state courts and the federal courts. Dodd, Cases on Constitutional Law, 3d ed. Morning and evening sections.
- 223x Domestic Relations (2) Compton, Marriage, annulment, and divorce; rights of husband and wife; rights of parent and child; infants; conflict of laws involving problems of marriage evasion and migratory divorce. Madden and Compton. Cases on Domestic Relations. Morning. (Also offered 1949 summer term.)
 - 231 Equity (4) Burke, . Specific performance of contracts; equitable conversion; statute of frauds; mutuality: conditions; defenses; equitable servitudes; powers of an equity court; effect of decrees, interpleader, bills of peace, cloud on title, recission and reformation, mistake. Chafee and Simpson. Cases on Equity, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)

- Fryer Functions of court and jury; witnesses; hearsay, opinion, and circumstantial evidence; proof of authenticity and contents of writings. McCormick. Cases on Evidence, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)
- 246 Negotiable Instruments (4)

 Bills of exchange, promissory notes and checks, especially under the Negotiable Instruments Law. Casebook to be announced. Morning and evening sections. (Also offered 1949 summer term.)
- 248x Property III (2)

 Conveyances, rents, easements, profits, licenses, covenants running with the land, and recording. Kirkwood, Cases on Conveyances, 2d ed. Morning and evening sections.
- 251 Restitution (4)

 Legal remedies for restitution of benefits obtained or conferred by performance of contract, misrepresentation, mistake, and coercion.

 Summer term 1949.
- Unfair Trade Practices (4)

 Unfair trade practices at common law and under state and federal statutes. Trade-marks and trade names, including Trade Mark Act of 1946. Misappropriation. False advertising at common law. Federal Trade Commission jurisdiction over misrepresentation practices. Lotteries and premiums. Disparagement of competitor's goods and business methods. State Fair Trade Acts (resale price maintenance). Price discrimination (State and Federal Robinson-Patman Act) State statutes, prohibiting sales below cost. Inducing breach of contract. Commercial bribery. Miscellaneous business torts constituting unprivileged interferences with advantageous business relations. Oppenheim, Cases on Unfair Trade Practices. Morning and evening sections.
- 254x Wills (2)

 Formation and revocation of wills; testate and intestate succession.

 Mechem and Atkinson, Cases on Wills and Administration, 3d ed.

 Morning and evening sections. (Also offered 1949 summer term.)
- Common law, Uniform Sales Act and related statutes. Intention to transfer of property interest (specific, unascertained, and future goods); specification and appropriation; cash and conditional sales; C.O.D., F.O.B., and C.I.F. shipments; negotiable bills of ladine and warehouse receipts; trust receipts; fraud on seller, retention of possession and bulk sales; remedies of seller and buyer, including suit for price, stoppage in transit, seller's warranties; inspection. Boyert, Cases on Sales, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)
- Davison
 Legislative setting for administrative bodies; judicial control of administrative action, public utilities, taxation, alien laws. Federal Trade Commission, workmen's compensation, etc. Katz, Cases on Administrative Law. Morning section (2-2)—fall and winter terms; evening section (4)—fall term.

- Corporations (2-2)

 Legal requirements as to contributions of capital; powers and rights of corporations, corporate officials, and shareholders. Berle and Warren, Business Organization—Corporations. Morning and evening sections. (Also offered 1949 summer term.)
 - Study of cases involving foreign elements; principles of jurisdiction and limitations upon its exercise; procedure, torts, workmen's compensation, contracts, property, family law, administration of estates, business associations. Casebook to be announced. Morning and evening sections. (Also offered 1949 summer term.)
 - 317 Creditors' Rights (4)
 Remedies of unsecured creditors: judgments, fraudulent conveyances, creditors' agreements, equity and statutory receiverships, and bankruptey. The general approach is that of law administration.

 Summer term 1949.
- 321-22 Current Decisions (2-2)

 Required of, and limited to, members of the student staff of the Law Review. Time to be arranged.
 - 324 Federal Jurisdiction (2)

 Cooper
 Constitutional origins and powers of federal courts; sources of law
 applicable to them; business and extent of jurisdiction of federal
 courts. McCormick and Chadbourn, Cases on Federal Courts. Morning and evening sections.
 - 326 Insurance (2)
 The insurance device in life, property, and other risks. Vance, Cases on Insurance, 3d ed. Morning. (Also offered 1949 summer term.)
 - 328 International Law (4) Murdock
 Customary and treaty rights and duties of states; diplomatic and consular agents; treaty interpretations; nationality laws; international
 courts; claims procedure; war; neutrality. Hudson, Cases on International Law, 2d ed. Morning and evening sections.
- 329-30 Labor Law (2-2)

 Laws applicable to strikes, picketing, boycotts, etc.; organization and representation of employees; negotiation of collective bargaining contracts; inter-union and intra-union relations; settlement of wage disputes (arbitration, mediation, conciliation). Cases, legislative and administrative materials, readings. Evening. (Also offered 1949 summer term.)
 - 332 Legal Accounting (2)
 A study of elementary accounting principles and techniques, and an introduction to the interpretation of financial statements. Evening.

- Justiciable aspects of the legislative process; forms and types of statutes; principles of statutory interpretation, structure, and drafting.

 Read & McDonald, Cases and Materials on Legislation. Evening.
- 335-36 Moot Court (2-2) Laws, Morris, Craighill, Kirkland, Edgerton, Myers, Marshall, Jackson, Herrick, Monk To be taken in the senior year. Prerequisite: Law 205 and 234. Morning and evening sections.
 - 345 Patent Law (2)
 Substantive patent law; patentability; revision, use and enforcement of patents. Evening.
 - 346 Patent Office Practice (2)

 Rules of Practice; appeal and interference procedure. Evening.
- 349-50 Patent Moot Court (2-2)

 This course may be elected instead of Law 335-36 to satisfy the Moot Court requirement. Both subjects may not be counted toward a degree. Evening.
 - Davison
 Limits of regulation of businesses affected with public interest; ascertainment of value of property used for the public service and the fixing of adequate rates of return. Welch, Cases on Public Utilities, 3d ed. Evening.
 - 358 S.E.C. Aspects of Corporate Finance (2) Loss Federal and state regulation of the distribution of securities, the securities markets, and the corporate structure, management of public utility and investment companies. Primarily the aspects of corporate finance dealt with by the Securities and Exchange Commission. Evening.
 - 362x Security Transactions (4)

 Security interests in real and personal property, their creation, transfer, enforcement, and extinguishment, together with security problems in the helds of suretyship and bankruptcy. Casebook to be announced. Morning and evening sections.
- 373x Taxation (4)

 Introductory course on basic concepts of federal tax system. Attention given state inheritance and income taxes. Problem of jurisdiction to tax, construction of tax statutes, methods of judicial review of administrative actions in the tax field, modern excise taxes on business concerns. Magill and Maguire, Cases on Taxation, 4th ed. Morning.
- 375-76 Taxation—Federal (2-2)
 Federal income, gift and estate taxes, and selected federal tax prob-

- Restraints of trade at common law. Public policy under Sherman Anti-Trust Act of 1890 and Federal Trade Commission and Clayton Acts, including mergers, consolidations and monopoly. Loose association activities (price-fixing agreements, tade associations, international carteis). Specific practices such as resale price maintenance, delivered price systems, exclusive arrangements and tying devices, trade boycotts. Patents and copyrights under anti-trust laws. Remedies. Oppenheim, Cases on Federal Anti-Trust Laws. Morning and evening sections.
 - 381 Trusts (4) Dorsey,
 Creation, elements, administration, enforcement, termination. Liabilities to and of third persons, Resulting and constructive trusts.
 Bogert, Cases on Trusts. Morning and evening sections.
- 403-4 Administrative Law Seminar (2-2) Davison
 Research seminar course in special problems, including the study of
 specific administrative agencies, federal or state. Time to be arranged.
 - 406x Aviation Law (2)

 Procedure before Civil Aeronautics Board; legal problems arising in connection with air transportation and airports; international conventions and organizations. Evening.
 - 407 Admiralty (2)
 Federal and state jurisdiction; jurisdiction over waters, craft, contracts, torts, crimes, in equitable matters, etc.; laws applicable to maritime workers and maritime liens. Sayre, Cases on the Law of Admiralty. Morning.
 - Historical and comparative study of some of the institutions and principles of the Roman and modern Civil Law (law of South and Central America and most of the Continent of Europe) compared with those of the Common Law; the influence of the former upon the latter. Evening.
 - 421 Constitutional Law Seminar (2) Collier
 Research seminar in contemporary problems in constitutional law.
 Time to be arranged.
 - 430 International—Comparative Law Seminar (2) Murdock Research seminar in contemporary problems. Time to be arranged.
 - 434x Interstate Commerce Commission Law
 and Procedure (2)
 Interstate Commerce Act; the Interstate Commerce Commission; practice and procedure before the Commission. Evening.
 - 435x Jurisprudence (2)

 History of jurisprudence; schools of jurists, particularly the nineteenth century schools; sociological jurisprudence; theories of justice; the nature of law; law and morals; law and the state; the scope and

subject matter of law, sources and forms of law; the traditional element: analysis of general legal concepts. Hall, Readings in Jurisprudence. Morning. (Also offered 1949 summer term.)

- 447-48 Municipal and Government Corporations McIntire
 (2-2)

 Municipal corporations: organization, powers, functions and legal relations of local governmental units. Federal corporate agencies: organization, powers, functions, and legal relations of functional governmental units separately incorporated. Tooke and McIntire, Cases on Municipal Corporations. Evening.
- A research seminar in specific current problems relating to federal anti-trust laws and unfair trade practices. Time to be arranged.

DEGREES CONFERRED

BACHELOR OF LAWS

November 11, 1948

	CD-	II Alfeed	N.Y.
Allen, Jonathan Harvey	Tex.	Hantman, Alfred A.B. 1939, Brooklyn College	
Altmann, Andrew Taylor	D.C.	Heinish, Ned O.	W.Va.
B.S. 1941, University of Maryland	Tex.	A.B. 1942, Marshall College	
Bailey, William Alfred		Helstrom, Warren Richard	III.
Rarber John Kaymond, Jr.	Calif.	A.B. 1943, DePauw University	
A.B. 1941, Whitman Conege	V.JL	Holyfield, Thomas Kenney	Miss.
Bedke, Herman Earl	Idaho	A.B. 1941, Millsape College	
B.S. 1941, University of Utan	C-	A.B. 1941, Williams Contagn	D.C.
Bennett, William Tapley, Jr.	Ga.	Horkan, George Anthony, Jr. A.B. 1943, University of	
A.B. 1937, University of Georgia	Pa.		
Berger, Martin		Pennsylvania	D.C.
Bernst, Louis Conrad	N.Y.	Imlay, Carl Hudson A.B. 1946, Harvard University	
Best, Crossett Mitchell	Ark.	A.B. 1940, Harvard Chiverenty	X11.
B.S. 1937, University of Alabama	Md.	Krubel, Frederick John	
Bolhagen, Clifford Fred	III.	B.S. in M.E. 1943, University of	
Brain, William Derbert	3.33 -	Illinois	Minn.
B.S. 1944, University of Illinois	Tex.	Lexa, Frank Joseph, Jr.	202101001
Carriker, Guy Homer B.S. 1942, North Texas State	Tex.	A.B. 1943. University of Minnesota	Iowa
B.S. 1942, North Texas State		Lingreen, Edna Marion	Towa
Teachers College	Tlank	A.B. 1934, A.M. 1935, State	
Christenson, Cullen Yates	Utah N.Y.	University of Iowa	D.C.
Cohen, Ernest Samuel	DATE.	Lockwood, Robert Kenneth	D.C.
B.C.E. 1937. College of the City of		A.B. 1942, Maryville College	200
New York	NI NE	Luber, Shirley Natalie	D.C.
Cortez, Ezekial Casimiro, Jr.	N.M.	Martin, James Alfred	D.C.
A.B. 1041, New Mexico College of		B.S. 1940, United States Coast Guar	d
Agriculture and Mechanic Arts	C	Academy	
Couser, Christian Rewoldt	Conn.	Mayoral, José Angel Pue	erto Rico
Cox, Lewis Calvin, Jr.	N.M.	B.B.A. 1939, University of Puerto	
Craig, Alan Ward	N.Y.	Rico	
Cross, Margaret Johns A.B. 1938, University of Illinois	D.C.	McTiernan, Charles Edward	N.Y.
A.B. 1938, University of Illinois	~	B.S. in E.E. 1941, University of	
Davis, Edwin Lanes	Ga.	Alabama	
A.B. 1947, The George Washington		Merwin, John David	Conn.
University		B.S. 1943. Yale University	
Dennemerer John James	Calif.	Miller Treesh Shelden	N.Y.
Abitur, 1040, College of Luxembourg	was	Miller, Joseph Sheldon	Md.
Dary Charles I van	III.	Moon, Joan Marie	80000
A.B. 1939. Illinois Wesleyan		A.B. 1942, University of Maryland	Conn.
University	50	Neveleff, Jerome Cooper	Commi
Dillon, Edward Scott	D.C.	A.B. 1941, Yale University	Ga.
B.S. 1932, University of Illinois	- 117	Newsome, George Marvin	W.Va.
Doty, Dale Edward A.B. 1936, Pomona College	Calif.	Nichole, Frank Dean	W. V II.
A.B. 1936, Pomona College		A.B. 1946. The George Washington	
A M. 1018, University of Cincinnat	11	University	Ala.
Dans Genree Calvin	D.C.	Niehuss, Jacob Clark	Arrest.
B.S. in Chem. Eng. 1945, University	7	A.B. 1940, University of Alabama	3.41.1
of Alabama		Ostermann, Herbert William	Mich.
Engelhardt, Charles William, Jr.	D.C.	B.S. 1944, University of Michigan	3
	Iowa	Pennefeather, Joseph Edmond	24 . 4 .
A.B. 1941. State University of Jowa	-	Raffel, Everett Morton	N.Y.
	Va.	A.B. 1943, Brooklyn College	
A B. 1943. University of California		Robinson, Thomas Benton	Mont.
A.B. 1943, University of California at Los Angeles	-	Rodgers, Philip Ray	Utah
	D.C.	B.S. 1939, M.S. 1940, University	of
A.B. 1947. The George Washington		Utah	
University	27.95	Ph.D. 1947, American University	
O I. Alwin I awrence	N.Y.	Rosinski, Donald Carl	D.C.
A.B. 1946. The George Washington		Shadowen, Cyril Eugens	Ohio
University	0.01		Md.
Hagan, William Joseph	Mich.	Shearin, Plummer Mustian	24801
Hagan, William Joseph Ph.B. 1942, University of Detroit		B.S. 1936, Wake Forest College	

Shure, Gilbert Bernard	Va.	Thomas William Manus Dataut	~ ~
B.S. 1994, Virginia Polytechnic	7 004	Thomas, William Henry Baldwin Walkinshaw, Walter	D.C.
Institute		A.B. 1020 University of Westings	Wash.
Smith, Leon Kushner	D.C.	A.B. 1939, University of Washington Weston, Glen Earl	343
A.B. 1947, The George Washington		(With distinction)	Md.
University		B.S. 1943, University of Maryland Wild, Paul Joseph	
Smith, Richard Robert	Va.	Wild, Paul Joseph	Va.
Southmayd, LeRoy, Jr. Spivak, Richard Walter	Mont.	A.B. 1938, Drake University Willenbucher, Dorothy Elizabeth	va.
RS 1040 Heinerit -/	Pa.	Willenbucher, Dorothy Elizabeth	Md.
B.S. 1942, University of Pennsylvania		A.B. 1946, Swarthmore College Wilson, Vernon Claude Wofford, William Tatum B.S. 1948, Tarse Assiruhural and	Mana.
Sterman, Milton	37.37	Wilson, Vernon Claude	D.C.
BS in Fine 1004 Ch P 1006	N.Y.	Wofford, William Tatum	Va.
B.S. in Eng. 1935, Ch.E. 1936, College of the City of New York			
Sudnik, Louis Frederick	Mass.	Mechanical College	
B.S. 1941, United States Coast Guar	A AAAAAA		
Academy	4		
F	chruner	7 22, 1949	
•		** 1949	
Abendschein, Mary-Jane	9.0	Cité n :	
Ailes, Curtis, Ir	Va.	Gilfix, Roy Hart	D.C.
Ailes, Curtis, Jr. B.E.E. 1941, Ohio State University Alpar, Jacob	Va.	B.S. 1944, University of Maryland Glasgow, Norman Milton	
Alpar, Jacob	D.C.	BS Total Milton	Md.
A.B. 1047. The Garces Westinson	D.C.	B.S. 1943, University of Maryland Good, Charles Lloyd	
Oniversity		RS in Ch E 1000	Md.
Appleby, James Scott	D.C.	B.S. in Ch.E. 1942. Purdue University	
A.B. 1944. University of Arizona Bamford, David Ellery Baker, Harold Food	D.C.	Guerra, Alphonso Angel	200
Bamlord, David Ellery	Pa.		Tex.
THEORY AND THE	N.Y.	A.B. 1943, Western Maryland College Harris, John Alfred	Md.
Barnes, Frank Oakes	Va.	Harris, John Alfred	D.C.
Buchanan, James Allison, Jr. B.S. in M.E. 1944, Northwestern	Md.	D.S. 1940, University of Illinois	D.C.
University 1944, Northwestern		marrison, Haldon Roberts	Va.
Bush, Donald Cochran	_	A.B. 1947, The George Washington	
Caldwell Callia A	Pa.	University	
Caldwell, Callis A. Campbell, William Robert	Utah	Hart, Wilson Ritter	N.M.
B.S. in C.E. 1947, University of	Md.	University Hart, Wilson Ritter A.B. 1942, University of New Mexico Heckman, Phyllis Lou Herring, Paul Littleton B.S. 1946, University of Maryland Hill, George Richards Hudgins, John Jefferson Hudson, Dugald Walker A.B. 1940, Presbyterian College Kabn. Evans	
Maryland		Herring Poul Links	D.C.
Cotter, Francis Aloysius	3.6.2	RS 1046 University of 24	Md.
Dauer, Maxwell	Md.	Hill Garage Pickards of Maryland	-
A.B. 1015. M.S. 1937. New York	D.C.	Hudging John Jefferson	Pa.
University		Hudson Duesld Walker	Va.
Davey, William Francis	N.Y.	A.B. 1949. Presbyterian College	S.C.
Dawson, Howard Athalone, Jr.	Va.	A.B. 1940., Presbyterian College Kahn, Evans	N.Y.
B.S. 1046. University of North	v a.	A.B. 1033. Yale University	44.1.
Carolina		Kardy, Leonard Thomas	Md.
Deck, William Horace	Md.	A.B. 1932, Yale University Kardy, Leonard Thomas Keller, Phillips Brooks, Jr. A.B. 1947, University of Texas	Tex.
B.S. in B.A. 1942, University of		A.B. 1947, University of Texas	a ca,
Lennessec		Knight, Robert Whitney	Md.
Embrey, Lemuel Jackson	Va.	Knight, Robert Whitney Lasco, John, Jr.	Pa
A.B. 1937, The George Washington		Lay, Kenneth Swift	Mo.
University	_	Levin, Joseph Litteral, Kelley	D.C.
English, Thomas Young	Tenn.	A.B. 1946. Washington and Lee	Md.
A.B. 1941, The George Washington University		University Washington and Lac	
Fondamon Dalah Lasa ta		Long, George Edward	2.41
Fenderson, Ralph Leon, Jr.	Ariz.	Logs, Dickson Rundell	Md.
A.B. 1941, University of California at Los Angeles		A.B. 1945, Dartmouth College B.S. 1945, Yale University Luckett, Richard Samuel, Jr.	Md.
Ferry John Paul	37-	B.S. 1945, Yale University	
Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's	Va.	Luckett, Richard Samuel, Ir.	Va.
College			v a.
Fields, Ogden Wilson	Calif.	Magura, Joseph John	D.C.
A.B. 1933, University of California	Certi.	A.B. 1938, Harvard University Mason, William Ernest	
Fitzsimmons, James William	N.Y.	McConnist Milliam Ernest	III.
B.M.E. 1942, Polytechnic Institute of		McCormick, William Carlyle	W.Va.
Brooklyn			
Fortney, Gordon	Va.	McElroy, John Dale	Md.
A.B. 1932, University of Wisconsin		McLendon, Sally Birdsall A.B. 1946, University of Iowa	Miss.
Gardner, Spencer Delos	Mich.	McPherson, James Willia In	Ohio
Gaughan, John Vincent	Va.	Mitchell, George Day	
A.B. 1932, Villanova College		McPherson, James Willis, Jr. Mitchell, George Day B.S. 1934, Johns Hopkins University	Md.

+-			
			Va.
Murchison, David Claudius Nicolardes, Manuel Mike BS in B.A. 1943, University of	D.C.	A.B. 1947. The George Washington	
Murchison, David Claudius	Md.	A.B. 1947, The George Washington	
Micolaides, Manuel Mike		University	D.C.
BS in BA. 1943, Chivernity of		Tarrant, William Theodore, Jr.	
	Va.	Tarrant, William Theodore, Jr. A.B. 1938, Stanford University A.M. 1939, Tufts College Tillson, Paul Lambert B.S. 1930, Massachusetts	
Payne, Ralph Lucian Pucci, Gerard Richard Pucci, Gerard Richard	N.Y.	A.M. 1939, Tuits Conege	Va.
Pucci, Gerard Richard Victionia		Tillson, Paul Lambert	
		Tillson, Paul Limoert B.S. 1938, M.S. 1939, Massachusetts Institute of Technology	
Polytechnic Institute	Pa.	Institute of lechnology	lass.
Richwine, Francis Kost		Timbre, Donald Mute Massachusetts	
	W.Va.		
Rose, Charles Jules A.B. 1942. The George Washington		Institute of Technology	N.Y.
A.B. 1942. The George Washington		Trabb, Ralph A.B. 1947, The George Washington	
University	N.Y.	A.B. 1047, The George Washington	
University Rowan, Eusene Francis B.S. 1945, University of Virginia Ryan, Mary Delores A.B. 1947, The George Washington University	24.2.	Inversity	Ala.
B.S. 1945. University of Virginia	Md.	Vance, William Frank (With distinction)	2 50 00 1
Ryan, Mary Delores	TARM.	(With distinction)	
A.B. 1947, The George Washington		A.B. 1941, Birmingham-Southern	
	N.T. T.		Va.
Scott, David Alan	N.J.	20 24 11111 200 (-3776)	Tenn.
A.B. 1938, Princeton University		Vonder Brooke How, d Joseph	
A.M. 1946, Columbia University Semmes, John Gibson	00	Washington James William	N.J.
Sammes John Gibson	D.C.	A B 1046 Lefavette College	_
Smith Dorr Newell	Maine	Tilbarlas Mary Start	Conn.
Smith, Dorr Newell A.B. 1947. The George Washington		Wheeler, Walleslaw College	
University		Washington, James William A.B. 1946, Lafayette College Wheeler, Mary Starr A.B. 1916, Wellesley College Wong, Wing	N.H.
C '- I I Sinclair	Fla.	Wong, Wing	
Smith, Lawrence Sinclair A.B. 1919, University of Florida Stanley, Earl R.			
A.B. 1010, University of Library	Ohio		
Stanley, Earl R. Kent State			
B 5. In Ed. 1943, Rent Belle			
University	Y	1010	
	june :	1, 1949	
		Choulas, James George Clark, William III	N.Y. N.C. N.Y.
at 1 I senerd Leon	D.C.	Choulas, James George	N.C.
Abel, Leonard Leon	N.Y.	Clark, William III	N.Y.
Abel, Leonard Leon Abramowitz, Charles A.B. 1048. The George Washington University		Clark, William III Close, Marion Campbell Collins, Percy Henry, Jr. B.S. 1941, University of Kansas	Kans.
A.B 1948, The George Washington		Collins, Percy Henry, J.	
University I week	Kans.	B.S. 1941, University of Auditor	Calif.
Albright, Penrose Lucius	Va.	Dasteel, Robert Herbert	
Alvey, Ernest Brandon	Colo.	B.5. 1939, Onton Dente	
Bakke, Norris Contoy, J. Callege		Academy	S.C.
Albracht, Penrose Lucas Alves, Ernest Brandon Bakke, Norus Conroy, Jr. A.B. 1946, Colorado Collego	Pa.		0.4.
		A.B. 1945. University of South	
A R TO 2 to A HER HER TO COMPANY	Va.	Carolina	III.
Raynard, Prinest Cornish, Jr.	N.D.		281.
	24.00	Davis, John Mason B.S. 1940, University of Illinois Dentz. Edwin James	DC
B.S 1042, University of North		Denta Edwin James	D.C.
	Calif.	Dissen Frank Farl	Wyo.
Berndtson, Arthur Henry	Casa.	Diston, Frank Earl Dixon, Annais Wilson	Mo.
B S. 1940. United States Naval		Dixon, I nomas Wilson	Md.
	D.C.	Dodge, Austin Pheips	
	D.C.	Dixon, Inomas winds Dodge, Austin Phelps B.S. 1944. Massachusetts Institute of Technology	
B.S. 1740. United States Naval		of Technology	Va.
Academy	200	Inibiel Joseph Williams	4
mt 1 11 1) 217	D.C.	B.S. 1938, University of New	
A B. 1944, Yale University Block, William Edward, Jr.	20.00	Hampanie	Pa.
D. D. William Edward, Ir.	N.D.		E 81
Ph B 1947, University of North		Duff, Alfred James A.B. 1947, Pennsylvania State Colle	Se vi
Ph B 1947, Chirefoldy		Earnest, John Allen	Ala.
Dakota Narr	111	B.S. 1943, Alabama Polytechnic	
Bollard, Isabelle Mary BS 1936 University of Tennesses	1	Institute	
R S 10 to Chiterian	Md		D.C.
Borchelt, Ben, amin August B.S. 1941. The George Washington University Dayley Heinkel	2	AB 1946. The George Washington	
B.S. 1941, The George Washington		A B 1940. The George Water	
University The Lat	N.J	University	N.Y.
Brittin, Burdack Heinkel A.B. 1940, Union College		Elias, Jack Isidor College of the City	-
A.B. 1940, Union College	Kans	B B A 1941, College of the City	
Brown, Joseph L.		OI JEW ICHA	III.
Brown, Joseph Sessiond AB. 194". Inversity of Kansas	N.J	Filinit Kalph Failt, Jr.	111.
Browning, John Barnett	14.]		111.
RS 1043, University of Alabami	a Mc	B.S. 1940, United States Naval	
Comphell Donald Alfred	Dic		
A B. 104". University of Kansus Browning, John Barnett B.S. 1043. University of Alabam. Campbell, Donald Alfred Campbell, Strouse, Ir.	D.C	Fahrney, John William	Va.
Duke University		Fahrney, John William A.B. 1048. The George Washington	1
D. Lock Leo Frene	P	University	
Campbell, Strouse, Ir. A.B. 1913, Duke University Chaplinsky, Leo Forene Ph. 1942, Dickinson College		Olliveibity	
Ph D. 1942, Dicaman			

Field Laurence Levino	D.	I I C-1	5.0
Field, Lawrence Irving BS in Eng. 1025 Ch F. 1026 College	Pa.	Levin, Jacob Solomon Levine, Irving Abraham	D.C.
B.S. in Eng. 1915, Ch.E. 1936, College of the City of New York	Ke	Lukens, John Fruchle	Idaho
Firsht, Peter Hergesheimer	Va.	A.B. 1936. University of Idaho	
B.S. 1011, Drexel Institute of Tech-		A.B. 1016, University of Idaho Maltby, Wilson Rav	Va.
nology		A.B. 1930, Milton College	
Galysh, Theodore Richard B.S. 1946, Villanova College	Conn.	A.M. 1921, University of Wisconsin Martin, Richard Alfred	24.
Gearheart, Ernest Theodore, Jr	Va.	McAnear, Frank Ed	Maine Ark.
A.B. 1916. University of Richmond	9 d.	AB 1945. The George Washington	ZMIK.
Gilmore, Frank Peter	I11.	University	
B.S. 1927, M.D. 1929, Loyola		Miller, Homer Ralph, Jr.	Md.
University		Miller, James Robert	Md
Goodpasture, Maurice Carroll	Tex.	Mirandon, Joseph Wilmer	N.J.
A.B 1941, Texas Technological		AB 1947, The George Washington University	
College	Tex	Montgomery John William Myers	D.C.
Graham, Robert Albary		Montgomery, John William Myers B.S. 1940, United States Naval	D.C.
Hapeman, Lucy Ann A.B. 1946, University of Nebraska	Nebr.	Academy	
Harris Shirley	Va.	Moore, George Carlton, Jr.	Md.
Harris, Shirley A B 1944, Wellesley College	V al.	A.B. 1941, University of Maryland Moran, Leon James	
Hirshberg, Robert Lowe	Ohio	Moran, Leon James	Conn.
A B 1940, Oberlin College	00	Nielson, Donal I Clarence	Mo.
Hodges, Raymond Lewis	D.C.	AB 1947, University of Kansas Nolte, Albert Charles, Jr	3.6.1
B.S. 1041, University of Maryland		BS in Fig. 1042 Princeton	Md.
Hoffman, Rubin	Md.	B.S. in Fig. 1943, Princeton University	
B Ch E. 1917, College of the City		Pellerzi, Leo Maurice Francis	Md.
of New York Hogan, Edward Eugene	N.Y.	Pfund, Charles Edward	Md.
Ph B 1911, M.D. 1936, Yale	N.Y.	B.S. in E.E. 1943, Iowa State	
University		College	
Howes, Charles Edward	Ohio	Purdy, William Frederick, Jr.	N.Y.
Hoffman, William Ewart	Md	(With distinction)	
Hver, W.lliam Fred	Tex.	M F. 1917. Stevens Institute of Technology	
(With distinction)		Quesenberry, William Oris	Va.
B S. 1942. Oklahoma Agricultural		Quesenberry, William Otis B.S. in C.E. 1943, Virginia Poly-	4 64.
and Mechanical College		technic Institute	
B.S. 1039, New York University	Md.	Racoosin, Stanley Arnold	D.C.
Library Charlette Albertine	24	Ralston, Lawrence Parker	Conn.
John on, Charlotte Albertina B.B.A. 1932, University of Minnesota	Minn.	A.B. 1939, Princeton University	Fo
Keating, William Joseph	Md.	Rambo, Reginald Rodney BS 1911, M.S. 1934, University	Pa.
BS 104), United States Naval	29000,	of Arizona	
Academy		M.D. 1938, Harvard University	
Keith, Deane Ellington	Va.	Randolph, Edgar Reed	Mass.
BS 1941, University of Maryland		AB 1946. Yale University	
Kennedy, Joseph Bernard, Jr	Va.	Reynolds, Chester Forest	D.C.
A B 104". The George Washington		Robbins, Charles Earl	La.
University Kerr, David Jay	Okla.	Ross. Harry, Jr.	M155.
A.B. 1947. The George Washington	Onid.	B.N.S. 1946. University of Notre	
University		Rousar, Edward Everett	Va.
Kilbey, Katherine	Va.	Ryan, John Wynne	N.Y.
A.B. 1027, Trinity College King, Donald Kyle		A B. 1042. Dartmouth College	4412.
King, Donald Kyle	D.C.	Schultz, John Hooker	Md.
A.B. 1948, The George Washington		Seed, Richard Warren	Wash.
University Kushles Balah Bushlah	Utah	B.S. 1944. California Institute of	
Kuchler, Ralph Rudolph A.B. 1948, The George Washington	Otan	l echnology	
University		Sheeskin, Jacob	D.C.
LaHatte, James Albert, Jr.	Md.	Smith, Jesse Bond, Jr.	Md.
B.S. in E.E. 1943, Georgia Institute		A.B. 1042, University of Virginia Smolen, Joseph Sidney	N.Y.
of Technology		A B, 1946, University of California	14.4.
Lamberton, Alfred Jassuss	N.H.	at Los Angeles	
A.B. 1933, University of New		Streinz, Clare Julia	Pa.
Hampshire	T	Sures. Charles Stanley	D.C.
Langholz, Ernest Frederick	Tex.	A.B. 1947. The George Washington	
A.B. 1948, The George Washington University		University	2.0
Leighton, Donald McCulloch	Nev.	Taussig, Joseph Kneffer, Jr. B.S. 1941, United States Naval	R.I.
A.B. 1938, University of Nevada	2467,	Academy	
1990, C		,	

44		.,,	
Taylor, Thomas Hart	Ohio	Westfall, Ted B	Tex.
B.S. 1940, United States Naval		B.S. 1940, University of Oklahoma	Va.
Academy	Md.	Wetmore, William Furches, Jr.	Nebr.
Tenny, Morgan Ledyard A B 1947. University of Maryland	Md.	White, Irvin Albert	Nebr.
Thompson, Lucius Fred	Ga.	A.B. 1943, University of Pennsylvani	
Triviz, Edward Ernest	N.M.	Wilkins, Elizabeth Ann	D.C.
Triviz, Edward Ernest A.B. 1942, New Mexico College of Agriculture and Mechanic Arts		Wood, Charles William	Pa.
Agriculture and Mechanic Arts	Va.	Wymba Roy Paul	Va.
Washington, Fielding Lewis Webb, Henry Gorham	N.C.	B.S. 1942, University of Richmond	20.00
Webb, Henry Gorham B.S. 1938, University of North Carolina With Bibbod William	241/04	Vouce (Nive Emily	N.Y.
Carolina		A.B. 1929, A.M. 1930, University	if .
Webb, Richard William A.B. 1947. The George Washington	Conn.	Kochester	Pa.
A.B. 1947, The George Washington		A.B. 1933, Temple University	
University		A.D. 1933, 10mpte Control	
J	Juris I	DOCTOR	
Fe	bruary	22, 1949	
Bronaugh, Alfred Taylor	D.C.	Kempton, Lawrence R.	D.C.
B.S. in E.E. 1910. The George	2101	B.E.E. 1940, Obio State University	
B.S. in E.E. 1939. The George Washington University		Schneider, Homer James	Va.
Browning Paulus Powell Is	D.C.	B.S. 1942. University of Wisconsin	
B.S. 1941, University of Pennsylvania	8		
	June 1	1040	
			Ohio
Bergren, Orville Vernon	Mich.	Kramer, Jerome Frank	
B.S.C. 1940, University of North		B.E.E. 1945. Ohio State University	Mich.
Dakota Padali Bumon Colhers	D.C.	LeClaire, Charles Homer	Billion.
B.S. in E. L. 1945, Iona State Colle		A.B. 1040. Alma College M.B.A. 1042. University of Michiga	n
B.S. in E.L. 1745, Iowa State Colle Collet, William Anderson	Mo.		Calif
AB, 1947, Westminster College		B.S. 1919, United States Naval	
AB, 1947, Westminster College	111.	Academy	
Cutler, Charles Russe'l	111.	Macaluso, Vincent Groudin	NY
BS 1945, California Institute of Technology		A.B. 1947. Yale University	
Dent, Richard Judson	Va.		Mo
Even, Francis Alphonse	III.	Oliver, William Palmer, Jr. (With distinction)	
B.S. in M.E. 1942, University of		A.B. 1941. University of Missouri	
Illinois Friedman, Martin Leonard	N.J.	Savage, William Alvin	Calif
(With distinction)	24.3.	A.B. 1939, Stanford University	
A.B. 1939, Rutgers University		Stevens, Wynne Allan, Jr.	340
Gray, Louis Patrick III	Tex.	A.B. 1939, College of William at	ıd
B.S. 1040. United States Naval		Mary	
Johnson, Olin Beeler	Mo.	Weiss, Sidney	N.Y
A.B. 1944, Western Michigan Coll	ege Mao,	B.B.A. 1943. College of the City of New York	
	Lagran		
		OF LAWS	
		er 11, 1948	
Boyko, Edgar Paul	Md.		N.
LL.B. 1945, University of Maryla Daleda, Joseph	D.C.	LL.B. 1940, University of Maryl	ERG.
B.S. 1014. Massachnestte Institute	- of	Jones, Tilford A. LL.B. 1948, The George Washing	Di
Technology LL.B. 1942, The George Washing		LL.B. 1948, The George Washing	ton
LL.B. 1942, The George Washing	ton	- Ollivery	N
University Dunn, Francis Gill		A.B. 1943, University of Marylan	
LL.B. 1937, University of South	S.D.	LL.B. 1947. The George Washing	ton
Dakota Dakota		University	
Ely, Robert Burroughs	Va		
A.B. 1020, Emery and Henry Coll	lege		
LL.B. 1026. The George Washing	rton		
University			

February 22, 1040

, umay	401 1343	
Mo,	Leney, Herber Carlton B.S. 1028, Oklahoma Agricultural and Mechanical College	Tes.
		Kans.
Tex.	Moreland, Allen Barwick B.S. in B.A. 1938, University of	Fla.
	Florida A.M. 1942, Harvard University LL.B. 1942, Georgetown University	
Md	Owen, William Edison LL B 1945, The George Washington University	DC.
Pa.	Pollock, Charles Frederick Ph. B. 1912, University of Wisconsin LL. B. 1949, The George Washington University	W 19
	Mo, Tex. D.C.	B.S. 1028, Oklahoma Agricultural and Mechanical College LL.B. 1044. University of Oklahoma M. Lins, Vigel Mantone A.B. 1026, LL.B. 1028, University of Katsea. Moreland, Allen Barwick D.C. B.S. in B.A. 1028, University of Floreda A.M. 1942, Harvard University LL.B. 1045, Coorpetown University Owen, William F.d.san Ll. B. 1048, The George Washington University Pollock, Charles Frederick Pa. Ph. B. 1928, University of Wisconsin Ll. B. 1049, The George Washington

	June 1,	1949	
Arn, Lauren Arden A.B., I.L.B., 1940, Ohio State University	Ohio	Menter, Martin A.B. 1017. LL.B. 1030, Syracuse	N.Y.
Ashley, Robert David LL B 1945, Boston University Blum, Irwin Ellis	Mass N.Y.	Negras, Raymond Anthony LI. B 1948. The George Washington University	Md.
BS 1911, Brooklyn College J.D. 1915, The George Washington University		Reed, R. 1919, J.D. 1941, University of	Iowa
Corveran, Daniel James 11. B. 1916, Washington University	Mo	Roberts, Austin Leonard, Jr A.B. 1941, College of William and	NJ.
Dean, John Joseph A.B. 1941, L.L. B. 1948, The George Wash ligiton University	N.Y.	Mary LL B 1948, The George Washington	
Drain, R.chard Dale A.B. 1942, LL.B. 1948, Yale	D.C.	Rohrer, Carl Peffer AB 1911, LLB 1913, The George	V2
Duke, Norman Edward A.B. 1934, LL.B. 1935, University of Notre Dame	Va.	Washington University Sharratt, George Stanley H., Jr. LL.B. 1936, University of Missouri	Kans
Fausel, Walter Eugene B.S. 1920, Pennsylvania State Colleg LL.B. 1948, Washington and Lee	NJ.	Shryock, Raymond DeSouville A.B. 1926, LL.B. 1929, University of Pennsylvania	Va
University Hunt, Leigh Hale A.B. 1928, LL.B. 1930, University	Va.	Smith, Edwin Stratford, Jr. LL.B. 1944. The George Washington University	Utah
of Illianis Kenner, Jack Linwood LL B 1941, University of Louisvill	Va.	Walker, Paul Howard LL.B. 1048. The George Washington University	Miss.
Lynchy, Alfred Robert B.S. 1947, LL B. 1940, University of Alabama	Fla.	Wilson, John Samuel Joseph A.B. 1916, LL.B. 1950, Fordham University	N.Y.

DOCTOR OF JURIDICAL SCIENCE

June 1, 1949

Olverson, John Benjamin

B.S. 1947, American University
LL.B. 1939, LL.M. 1941, Georgetown
University
Dissertation: "The Clifford Regulations: A Trend Toward the Supremacy of the Administrative
Process"

STUDENTS REGISTERED

SUMMER TERM 1948

FALL AND WINTER TERMS 1948-49

Ä		Arlman, Herbert Edward	v.Y.
11. 1 1	Mich.		4
bbe, Janet Louise	D.C.	B.S. 1930, Brooklyn College Armstrong, Warren Laine	Pa.
Abel, Leonard Leon	Md.	Armstrong, Warren Laine	g
Abelson, Allan Joseph	.vid.	V.R 1044' I Hier College	Ohio
BS. 1949, Temple University Abendschein, Mary-Jane	Va.	Acres American	CALLO
Abendschein, Mary-Jane	m.	A.B., LL.B. 1940, Ohio State Uni-	
Abney, Archie Lowell	111.	versity	D.C.
B.S. 1939, University of Illinois	Va.	Aronson, Sylvan Delliar	Va.
Abrahamson, Joseph Labe	N.Y.	Ashford, Robert Sidney	4 44 6
A.B. 1048. The George Washington	14.1.	A.B. 1945, Princeton University	A. 185.
A.B. 1048. The George Washington			75 01 0 0 0
University	N.Y.	LL B. 1948, Boston University	1.1.
Abramson, Maton E.	24.4.	Asin, Hy	Ohio
BBA 1942, College of the City of		Atkir, son, Charles Fred Washington	
Ackerly, Robert Louis	N.Y.	A.B 1948. The George Washington	
Addison, Francis Girault	D.C.	University	()hio
B S. 1947, Washington and Lee	2.0.	Atkinson, Ethel Kathleen B.S. 1928, Carnegie Institute of	
University			
Aller Irvine	Va.	A.M. 1940, Western Reserve Uni-	
R New York University		A.M. 1940, Western Meserve out	
B.S. 1910. New York University Arken, William David	Va.	Ault, John Miller	D.C.
Ailes, Cartis, Jr.	Va.	A.B 1948. The George Washington	
B.L. E. 1941, Ohio State University		University	
Alawine, Alton Jackson	Miss.	Auten, Howard Leonidas	Md.
Albamonte, bugene	D.C.	Auton Robert Sheley	Md.
Albright, Penrose Lucas	Kans.	BEE. 1949, L.L.B. 1948, University	
B.S. 1946. United States Merchant		of Minnesota	
Marine Academy		Ausia William Arthur	Wis.
Aldhizer, Carthon Evans	N.C.	B.S. in E.E. 1946, University of	
Alduk, Thomas Joseph	Pa.	Michigan	
Allen, Ionation Harvey	Tenn.	Michigan Avancena, Manuel Claude	D.C.
Allen, Walter Gordon	Va.	Axtell, George Clifton	Pa.
B.S. 1945. United States Military		Avers Themlore Alex	Va.
Academy	5.0	A.B. 1941, University of Virginia	
Alpar, Jacob	D.C.	1112, 1941	
A.B. 194". The George Washington			
University	2.6	В	
Altman, Gerald	Mass.	В	
B.S. 1943, LL.B. 1949 Boston		Bagby, Mary Lawton	Md.
University	20	AB. 1948. The George Washington	
Altmann, Andrew Taylor	D.C.	University	
BS 1941, University of Maryland	N.Y.	Bagley, David	Conn.
Altshuler, Oscar	Va.	LL B. 1048, Catholic University of	
Alvey, Ernest Brandon	D.C.	America	
Amidon, Robert Horace	N.J.	Bailey, Kenneth Alexander	N.C.
Amster, Morton B.S. in E.E. 1948, Rutgers	distribu	Railey, William Alfred	Tex.
B.S. in F. E. 1940, Rutgers		Bailey, William Alfred LL B. 1948. The George Washington	
University Bancalde Te	Va.	University	
Anderson, Robert Reynolds, Jr.		Bain, Cody	Va.
B.S. 1911, University of Richmond	Va.	Baird, Donald Benson	l'a.
Angle, William Ward	N.Y.	A.B 1948, University of Pittsburgh	
Ansher, Harold A.B. 1949. Brooklyn College	24.0.	Bakeman, Robert Atherton	Md.
A D. Alfard John	Va.	A B 1932, Middlebury College	
Anton, Alfred John A.B. 1948, University of Missouri		Baker, Dorothea Anna	D.C.
Appar, Harry Emanuel, Jr.	Va.		e e
Appar, tharry Limited, jr.		Washington University	
A.B. 1938, Lafayette College	Wis.	Baker, Glynn Robinson	Ohio
App, Oliver Leo	D.C.	B.S. in Ch.E. 1948, Purdue Uni-	
Appleby, James Scott A.B. 1944, University of Arizona		versity	22.25
Archer, Crit Alexander	Miss.	Baker, Harold Fred	N.Y.
Vicilei, Citt Meannan			

Baker, Rex Harding	III.	Beebe, William Bovell	D.C.
A.B. 1918, University of California	at	A.B in Gov. 1946, The George	
Los Angeles	Wash.	Washington University	Ohio
AB 1948, University of Minnesota		Behun, Joseph Andrew Beimford, Louis A.	Ohio
Bakke, North Controy, Jr.	Md.	B.S. in B.A. 1948, Miami University	Onio
A.B. 1946, Colorado College	1470.	Belk, Harry Clinton	S.C.
Balavage, Albert Alphonsus	D.C.	A.B 1943, Wolford College	Ohio
B.S. 1947, University of Pennsylvan		A.B 1941, Wofford College Bell, Edward Leroy	Ohio
Baldridge, Read	Md.	B.S. in M.E. 1946, Illinois Institut of Technology	е
A.B. 1948. The George Washington	1	of Technology	
University	***	Bell, Jay Richard	Ctah
Bamford, David Ellery	Pa.	Bell, John Marphy	Okla.
Barachman, Bruse McDonald	Pa.	B.S. in A.E. 1933, University of	
A B 1939, Allerheny College Barber, Alvin Thomas	DO	Oklahoma Pallanda Pandada Incomb	D.C.
Darber, Alvin Thomas	D.C.	Bellamah, Frederick Joseph	Mo.
B.S. 1911, Susquehanna University Barber, Frederick Willard	Calif.	Bellis, Tom A.B. 1929, Southeast Missouri State	.110.
A.B. in Gov. 1941, The George	Carri.	Terrhers College	
Washington University		Teachers College A.M. 1941, University of Cincinnati J.D. 1948, The George Washington University	
Barber, John Raymond, Jr.	Calif.	LD. 1948. The George Washington	
A B tout When Calles		University	
Barish, Benjamin J. B.S. in E.E. 1946, Illinois Institute of Technology Barnard, Richard Paul B.S. in M.E. 1947, University of Muhaman.	Mich.	Belt. Osborn S.	Md.
B.S. in F.F. 1946. Illinois Institute		A.B. 1941, Allegheny College M.C.S. 1947, Darmouth College Bennet, Joseph Campbell, Jr.	
of Technology		M.C.S. 1947. Dar mouth College	
Barnard, Richard Paul	Mich.	Bennet, Joseph Campbell, Jr.	Va.
BS in ME 1947, University of		Bennett, Anne Rutherford	W.Va.
CARLO LINGUIST		A.B. 1919, Gov. et Collège	97
Barnes, Duard Roof	Ariz.	Bennett, William Batchelder	Va.
Burnes, Frank Oakes	Va.	B S. 1935, University of New Hamp-	
Barnes, John Lockard A.B. 1948, Western Maryland College	Md.	A.M. 1916, Ph D. 1941, Louisiana	
Barnett, Robert Alexander	D.C.	State University	
Barozzi, Dario	D.C.	Bennett, William Tapley, Jr.	Ga.
LL B. 1940, Harvard University	D.C.	A.B. 1017. University of Georgia	
Barson, David	Mass.	A.B. 1937, University of Georgia Benson, Clair Frank	Maine
Barton Victor Ewing	Va.	A.B. 1913, Colby College	
Barton, Victor Ewing Baskin, Will am Maxwell Bastian, David Charles	Va.	A.B. 1013, Colby College Benson, Floyd W.	Calif.
Bastian David Charles	D.C.	A.B. 1933, Stanford University	5.0
A.B. 1948. Un versity of Maryland	2.0.	Benson, Jacque Maruie	D.C.
Bathory, Joseph Patrick	D.C.	B.S. 1947. Utah State Agricultural	
Battin, James Franklin	Va.	College	N.D.
Bauknight, William Cooper, Jr.	Va.	Benson, Paul BSC. 1942, University of North	14.17.
B.S. 1942, University of Virginia		Dakota	
Baum Norman	Pa.	Berg, Martin Donald	D.C.
AB 1948, Bucknell University		Berger Arthur Ioseph	Pa.
Baumgarten, Stephen Harvey	N.Y.	A.B. 1048, Bucknell University Berger, Bernard Nelson	
Baylor, Walter Robert	Md.	Berger, Bernard Nelson	D.C.
BS 1947, University of Maryland		Berger, Martin	Pa. D.C.
Baynard, Ernest Cornish	Va.	Bergman, William Hunter	D.C.
Beach, David Jerome	Md.	Bergmann, Robert T.	Md.
Beall, John Ninnan, Jr.	Va.	B.S. in E.E. 1943, University of	
Review less les	D.C.	MISSONITE	Much
A.B. 1936, Phillips University M.S. 1941, University of Oklahoma		Bergren, Orville Vernon	Mich.
M.S. 1941, University of Oklahoma		B.S.C. 1940, University of North	
Beatty, Alta Mac	D.C.	Dakota Berman, Hyman	N.Y.
Beatty, Burton Paul	N.Y.	Bern Itson, Arthur Henry	Va.
B.S. in C.E. 1944, Virginia Military		BS 1940, United States Naval	
Institute		Academy	
I.I. B 1948, Fordham University		Bernst, Louis Conrad	NY.
Beauchamp, John Phillip, Jr.	R.I.	Berry, Tack Aloysius	111.
A.B. 1946, Brown University		Berry, Seymour	N.Y.
Bechtold, Royal Arthur	Ind.	Berson, Harold Ralph	yer.
B.S. 1948. Indiana University	201	A.B. 1949, The George Washington	
Beck, John Albert	Md.	University	
Becker, Martin Stanley	D.C.	Best, Crossett Mitchell	Ark.
Beckwith, Thomas Larson, Jr.	N.J.	B.S. 1917. University of Alabama	21.0
Bedford, Lynn Wesley	D.C.	Best, Lee James	N.C.
B.S. 1941, University of Missouri	211	A.B. 1010. Duke University	10.
Bedke, Herman Earl B.S. 1941, University of Utah	Idaho	Bevelacqua, Charles Angelo	Pa.
D.S. 1941, Chivernity of Cital		B.M.E. 1946, University of Pittsburgh	

Beyen, Karel Herman	D.C.	Bogen, William	N.Y.
LL.M. 1948, University of Amsterda Biesemeier, Harold Woodall	m	Boyorad, Abraham	N.Y.
Biesemeier, Harold Woodall	Md.	B.S.S. 1941, College of the City of	
B.S. 1940, United States Naval		New York Bohan, John Patrick	Pa.
Biram, James Raymond	Conn.	Bolhagen, Clifford Fred	Md.
Biram, James Raymond B.S. in C.E. 1947, Yale University Birdsell, John Edmund	200	LL.B. 1948, The George Washington	
Birdsell, John Edmund	D.C.	University Bollard, Isabelle M.	III.
A.B. 1945, LL.B. 1947, The George Washington University		B.S. 1931. University of Tennessee	
Riorge, James Robert	Oreg.	A.B. 1935. West Lennessee State	
B.S. 1947, United States Naval		Teachers College	D.C.
Academy	Minn.	Bollinger, Howard Moore B.S. 1943, M.S. 1947, Massachusetts	D.C.
Bjorklund, Otto Edward Black, George LaDow	Va.	Institute of Technology	
B.S. in E.E. 1946, University of		M.B.A. 1948, Harvard University	27.1
South Carolina		Rookman Irving	N.J.
Black, Hiram Day A.B. 1947. Yale University	N.J.	A.B. 1940, New York University Boorman, Robert Henry	D.C.
Black, John Thomas	Ala.	Booton, Robert Edward	Iowa
B.S. 1946, LL.B. 1949, University		Borchelt, Benjamin A.	Mo.
of Alabama	200	B.S. 1941, The George Washington	
Blackmon, E. B. A.B. 1936, John Brown University	D.C.	University Borel Paul Arnold	Va.
Blackwell, Albert Turner	Md.	Borel, Paul Arnold B.S. in C.E. 1934, University of	
A.B. 1948, University of Maryland		Kansas	
Bladergroen, Robert John	N.Y.	M.B.A. 1938. Harvard University	
A.B. 1942, LL.B. 1947, Cornell		A.M. 1943, Columbia University Boroughs, Lewis Edward Washington	N.C.
University Blake, George Francis	Md.	LL.B. 1948, The George Washington	
Blake, Martin B.S. 1947, Northeastern University Blanding, Evelyn Smith	D.C.	University	17.
B.S. 1947, Northeastern University	D.C.	Bortner, Jeffrey Clair Bourne, Hunter Carson, Jr. B.S. in E.E. 1945. Virginia Polytech	Pa. D.C.
A B. 1041. Raddiffe College	D.C.	B.S. in E.E. 1945, Virginia Polytech	-
A.B. 1943, Radcliffe College Blanton, Joseph Warren	Va.	nic Institute	
Blasangame, Paul Arthur	Va.	Bowen, Edward Norman	N.J.
B.M.E. 1948, The George Washington	on	B.S. in M.E. 1944. Rutgers University	
Blatchford, Walter Larned	III.	Bowen, Francis Leo	Pa.
B.S. 1933, United States Naval		A.B., B.S. 1948, High Point College	20
Academy		Bower, Robert Sharon	Va.
Blitgen, Glenn Edward BS. 1943, State University of Iowa	Iowa	A.B. 1020, Stanford University Bowling, George Washington	Md.
Bloch, Robert Oakleigh	Nebr.	Bowman, Robert Tschanen	Md.
A.B. 1949, The George Washington		A.B. 1948, Miami University	2.7.1
University	-	Boyer, John Alton	Md.
Block, Harold Stanley	Pa.	A.B. 1948. The George Washington University	
B.S. in E.E. 1944, University of		Boyko, Edgar Paul	D.C.
Block Huntington Turner	D.C.	LL.B. 1945, University of Maryland]
A.B. 1018, Princeton University Block, William Edward, Jr.		Boylan, Robert Thomas	Pa.
Block, William Edward, Jr.	N.D.	B S.E. 1947, University of Penn- sylvania	
Ph.B. 1947, University of North Dakota		Braddock, Harry Elton	N.J.
Block-Barton, Fred Hubert	Calif.	B.S. 1945. United States Naval	
Blodgett, Norman Stack	D.C.	Academy	2.1
B.S. 1944, Worcester Polytechnic		Bradley, William Orlando	Nev.
Institute	NC	Bradway, Malcolm Strode B.S. in M.E. 1948, Purdue Universi	Ind.
Blondheim, Dorothy Hudson A.B. 1934, Miami University	N.C.	Bragan, Richard Larry	Md.
Dt f Dhili-	Mich.	Bragdon, Kerlin Joseph	Tex.
B.S. 1947, Wayne University		LL.B. 1934, Oklahoma City Univer-	sity
Bloom, Jerome Panily B.S. 1947, Wayne University Blum, Irwin Ellis	N.Y.	Brain, William Herbert	III.
B.S. 1933. Brooklyn College J.D. 1938, The George Washington		B.S. 1944, University of Illinois Bramow, A. Stanley	D.C.
University		B.S. 1946, Virginia Polytechnic In-	
Blumenkopf, Norman	N.Y.	stitute	
A.B. 1941, Brooklyn College Blute, William Augustine		Bramow, Alvin	D.C.
Blute, William Augustine	D.C.	Brand, Paul Joachim	N.Y.
Bochenek, Benjamin Herman B.S. 1947, University of Maryland	Md.	B.S. 1941, New York University	D.C.
Bock, Eugene William	N.Y.	Brantley, James Cranford B.B.A. 1947, University of Georgia	
Doca, Augene Williams		200	

Brasfield, Harold	Ala,	Burgess, Aubrey Lewis	DC.
A.B. 1934, Birmingham-Southern		B.M.E. 1948, The George Washingt	on
College Braswell, Hiram Eugene	N.C.	University	24.1
A.B. 1948, University of North	14.0.	Burgess, James Riley, Jr. A.B. 1941, Michigan State College	Mich.
Carolina		Agriculture and Applied Sciences	OI
Brennan, Francis Xavier	N.Y.	Burns, Walter William, Jr. B.E.E. 1942. Cornell University Burr, LaVern Harold	N.Y.
Breslauer, Ruth Cooper	D.C.	B.E.E. 1642, Cornell University	
B.S. 1945, The George Washington University		Burr, LuVern Harold	Va.
Breslaw, Joseph	Colo.	A.B. 1947. Butler University	TVC
B.S. 1946, University of Notre Dame	Coro.	Burstein, Harvey	I) C. Nebr.
Brewster, Daniel Baugh	Md.	Burton, Joseph John Burton, Lockwood Duquesne Bush, Donald Cochran	Va.
Brilhart, Gladden Loats	Md.	Burton, Lockwood Duquesne	D.C.
B.S. in M.E. 1943, Duke University		Bush, Donald Cochran	Pa.
Brill, Edward Pope, Jr. Brinks, Henry Luke	Md.	Bush, Fred Marshall B.S. 1939, United States Naval	Miss.
A.B. 1948, Wheston College III	III.	Acalemy	
A.B. 1948, Wheaton College, Ill. Bristol, Ethel Cleo	Colo.	Academy Bush Joseph Francis	D.C.
Dritt, John Francis Xavier	N.Y.	Bush, Joseph Francis B.S. 1947, Mount St. Mary College	D.C.
A.B. 1942, A.M. 1946, The George		Bushnell, Richard	Ind.
washington University		B.S. in M.E. 1948, Purdue Universi	13.
Brittin, Burdick H.	N.J.	Dutton, Date Leon	Kans.
A.B. 1940, Union College Brock, Xavier Martin, Jr.	N.C.	Buzbaum, Phyllis Lou	N.Y.
B.S. 1945, Iowa State College of Agriculture and Mechanic Arts Bronaugh, Alfred Taylor B.S. in E.E. 1939, The George Wash ington University	D.C.	C	
Agriculture and Mechanic Arts		- C	
Bronaugh, Alfred Taylor	D.C.	Cacheria, John Christ	D.C.
ington University	•	B.S. 1946, Carnegie Institute of	
Bronaugh, John	D.C.	Technology	
Bronaugh, John B.S. in M.E. 1947, Virginia Poly-	D.C.	Caldwell, Callis A. Caldwell, Randolph Foster, Jr.	Utah
tecumic amstitute		Caldwell, Wilfred Gene	Tenn.
Brooks, William 1.	N.Y.	B.S. in E.E. 1945, M.S. in E.E. 194	R.
B.S. 1933, Brooklyn College Brown, Benjamin Franklin		Purdue University	, ,
Brown, Charles Erle	D.C.	Callahan, Joseph Robert	Pa.
B.S. 1947, University of Maryland	Md.	Callegary, Claude Leon	Md.
Brown, Frederick William	Va.	Callow, John Edgar Calrow, Paul Emerson	D.C.
B.S. 1938, United States Naval		B.S. 1944. University of Minnesota	D.C.
Academy		B.S. 1944, University of Minnesota Camby, John Joseph B.S. 1941, Carnegie Institute of	Pa.
Brown, Joseph Sessford	Kans.	B.S. 1941, Carnegie Institute of	
A.B. 1947, University of Kansas Brown, Martin John	Aut	Technology Cameron, John William Cameron, William Kimmel A.B. 1948, The George Washington University	
B.S. in Ch.E. 1948, Purdue University	Ark.	Cameron, John William	D.C.
Brown, Robert Jr.	N.C.	A B 1048 The George Washington	Ohio
B.S. in C.E. 1926, University of		University University	
North Carolina		Campbell, Barbara Campbell, Donald Alfred Campbell, Francis Walter	Va.
Browning, John Barnett	N.J.	Campbell, Donald Alfred	Md.
B.S. 1945, University of Alabama Browning, Norman Bottger	20	Campbell, Francis Walter	R.I.
A.B. 1940, University of Delaware	D.C.	B.S. in Ed. 1946, Rhode Island College of Education Campbell, Paul Calvin A.R. 1948, M.S. in Ed. 1949, Park	
Browning, Paulus Powell, Jr.	D.C.	Campbell, Paul Calvin	Pa.
B.S. 1941, University of Pennsylvania	D.C.	A.B. 1018. M.S. in Ed. 1010 Penn.	Pa.
Brunauer, Sandor	D.C.	A.B. 1938, M.S. in Ed. 1939, Pennsylvania State College	
Bryan, James Edward	Va.		Va.
B.S. 1945, M.S. 1946, Virginia Poly- technic Institute		Campbell, Strouge, Jr.	DC.
technic Institute		Campbell, Strouse, Jr. A.B. 1943. Duke University Campbell, William Robert	
Buchanan, James Allison, Jr.	Md.	BS 1047 University of Manufact	MJ.
B.S. 1944, Northwestern University	A 1	B.S. 1947, University of Maryland Cantini, Humbert John	N.C.
A.B. 1936, Tulane University	Ark.	Cantwell, William James Carlson, Randolph Adair	1.1.
Buldgin, Frank Javier	Va.	Carlson, Randolph Adair	D.C.
A.B. 1911, LL.B. 1935, Baylor	va,	A.B. 1048. Brown University Carne, William Benton	
University		R S in P A	Tenn.
Burner, Charles Theodore, Jr.	Va.	B.S. in B.A. 1943. University of Tennessee	
A.B. 1947, Cornell University		Carr. Robert Addison	Calif.
Bundock, John Paul, Jr.	Ky.	B.S. 1932, Ohio State University	Carri.
B.S. in E.E. 1948, Tufts College	T	B.S. 1932, Ohio State University Carriker, Guy Homer B.S. 1942, University of Texas	D.C.
Bunn. David Armstrong A.B. 1947, Texas Christian University	Tex.	B.S. 1942, University of Texas	
		Carroll, Norman Sellman	Va.

			N.J.
Carter, Harold Martin	Va.	Cochran, Robert Reid	14.3.
B.S. 1942, Roanoke College Carter, Henry	Va.	BS in Ch.E. 1944. Tufts College Coverns, John Wesley	D.C.
A R 1017, A.M. 1020, Yale University	у	LL.B. 1940, The George Washington	
LL B. 1941. The George Washington		University Col en, Donald Sidney	Md.
University Carter, Sidney	N.Y.	B.S. 1047. University of Maryland	2.7
B.S. in Ch E. 1942, College of the City of New York		Colon Princet Sill. Pl	Va.
City of New York	11	B.C.E. 1918, College of the City of New York	
Carulli, Leonard Caruso, Lawrence Robert	Mass.	Cohen Lub	N.Y.
C sey, John Brendan	N.J. D.C.	AB, 1949, The George Washington	
Cashin, James Mi hael	D.C.	University Cohen, Richard Edward	D.C.
Civanagh, John Edward	Oreg.	Colon, Saul Benjamin	D.C.
Cerra Arthur Joseph	N.Y.	Cohn Harold Joseph	()hio
A.B. 1941, Un versity of Oregon Cerra, Arthur Joseph Chamberlan, Claude Alonzo	Miss.	A.B. 1931, Ohio State University	N.J.
Chang, Richard I-Feng	China	Cole. Marguerite E. B.S. 1941. State Teachers College,	,
A B. 1041. St. John's University of Shanghai		Paterson, N	T -
I.I. B. 1949. DePaul University		((() () () () () () () () ()	Tenn. D C.
Chap, James John	N.Y.	Collet, William An Jerson Collins, Henry D Alton	Va.
A B. 1911, Bates College MS 1912, Ph D. 1934, Massachusett	9	BSC 1940, Notre Dame University	
State College		Call ne John Buren	N.C.
Chapi nsky, Leo Eugene	Pa.	A B. 1944, Wake Forest College Collans, Percy Henry, Jr.	Kans.
Ph.B 1942, Dickinson College Chennault, Joe Young	La.	16 2 1041. Chiveletty of tentions	
Cherwek, Stanley	Mass.	Colven, Harol i Bradford	D.C.
Cheslow, Ernest	N.Y.	Colv.n, Harol I Bradford	Pa.
B Ch.E. 1919, College of the City of New York		Commins, James Alton BS 1948, Bucknell University	
Choulas, James George	D.C.		Va.
Chr steller, Norman Lee	D.C. D.C.	BS 1947. Massachusetts Institute of	
A B 1942, Oberlin College	Mont.	Conboy, John Anthony B S 1948, University of Scranton Condon, There Flyen	Pa.
Christensen, Earl AB 1943, State University of Mon-		BS 1948, University of Scranton	200
tana		Condon, Theron Flw n	D.C.
Christenson, Cullen Yates	D.C.	BS in M.E. 1934. Northeastern University	
Chr suprerson Oluf Warren A.B. 1946, The George Washington	Minn.	Cook Rin Constance	Pa.
University		BSC. 1949. Temple University Cooke, David Obliner	N.Y.
Chudzik, John Stephen A.B. 1948, The George Washington	N.Y.	Cooke, David Ohlmer R.S. 1944 M.S. 1942 Buffalo State	
A.B. 1948, The George Washington University		BS 1941, MS. 1942, Buffalo State Teachers College, N. Y.	
Church, Abrah Adelbert	Fla.	Cool see Holpert Luille	Va.
Church, Abiah Adelbert A.B. 1948, The George Washington		B.S. 1940, University of Missouri	Kans.
University	Va.	Cope, Harland Burlewh A.B. 1946, University of Kansas	
Church, Frederick Lewis BS in B.A. 1943, American Uni-	Va.	Corroran Daniel Lines	Mo.
versity		L.L. B 1015, Washington University	Va.
Cifelli, Armand	N.J.	Cornwell, Richard Edwar A.B. 1946, Hampden-Sydney College	
Clark, James Leonard	Ga.	Corridon John R.	D.C.
Clark, Raymond Dykes B.S. 1918, University of California	Va.	A.B. 1918, University of Maryland LL.B. 1942, The George Washington	
B.S. 1948, University of California at Los Angeles		LL.B. 1 142. The George Washington	
Clark, William	D.C.	University Cortez, Ezekiel Cosimiro, Jr.	N.M.
Cirk, William Bert	Ga.	A.B. 1943, New Mexico College of	
Clark, William Giddings	Md. Va.	Agriculture and Mechanic Arts	20.0
A.B. 1047, B.C.L. 1948, College of		Costa, Jasper Silva	D.C.
William and Mary		A.B. 1027. Brown University LL.B. 1011. Cornell University	
Cleckner, Marie E.	Md.	LL.M. 1948, Georgetown University	,
A.B. 1945, College of Notre Dame		Cotter, Francis Aloysius	Md.
B.S. in L.S. 1947, Western Reserve	:	Coulombe, Raymond Armond	D.C.
University	DO	B.M.F., 1948, The George Washingt	VII.
Close, Marion Campbell A B. 1928. The George Washington	D.C.	Couser, Christian Rewoldt	Conn.
University		Cox, Herman Elmer	D.C.
Coblenzer, Mervin	Md.		N.M. D.C.
Cochran, Dean Farrington	Va.	Cox, Wallace Keith	27.0.

Cosne, Joseph Patrick	D.C.	Davis, Clifford	Tenn
AB 1919, St. Ambrose College		Day's Donnell Preston	50
AB 1949, St. Ambrose College Cozmy, K. John	W.Va.	AB 1945, University of South Care	Diete .
Cozzi, Aldo John	N.Y.	Davis, Edwin Lanier	1)(
B.S. 1946, M.S. 1947, Stevens Institute of Technology		A.B. 1947, LL.B 1948, The George Washington University	c
Institute of Technology	2	Washington University	
Craddock William Wood	Md.	Davis, John Mason	Fla
Crarcoe, John Henry Craig, Paul Max	D.C. D.C.	B.S. in M.E. 1940, University of	
Dr. mars ute tota University	D.C.	Davis Israel Paid	Tex
Dr. juris utr. 1911, University Erlarger, Bavaria		Davis, Joseph Reid Davis, Sadye J.arc A.B. 1947, The George Washington	Pa
Cert and de S. evac Pénale 1012		AB 1917 The George Washington	1 4
Sorbonne, Laule de Orit, Paris		University	
Cert sail de Souve Pénale 1913, Sorbonne, Ecole de Orit, Paris Crammond, Lames Darwin	D.C.	Dawson, Howard Athalone, Jr	Va
Crane, Esther Sty	N.M.	BS, 1946, University of North Care	
Crime, James I reld Cristy, Thomas Dodds	DC.	lina	
Cretty, Thomas Dodds	Pa.	Dawson, Roger Ralph	Mont.
Crewe, William Penn	Va.	LL B. 1945, The George Washington	
	D.C.	University	
Croshan, John My n	Va.	Day, Einest Herbert	0:110
BS 1911, LI B. 1919, LL.M. 1941 Geotyetown University	Ι,	A.B. 1941, Oberlin College	
Control Control Conversity	2.5	Dayton, W.lliam R. ssell	():.10
Cronin, G. S. Homer,	Mass.	AB 1925, Wittenberg College	(1) 1 (
Ph.B. 1937, College of the Holy Cro- Crouse, Paul James	05	Dea, Franklin	Calif
Cullen, Frank Haywood	Md.	A.B. 1948, University of Maryland	4.
College, Elittle Hills or (AM)	4 al.	Dean, John Joseph	1.3
A.B. 1648 The Cardel	N.Y.	A.B. 1941, I.L.B. 1948. The George Wash agron University	
Culver, Walter Fire Citadel Culver, Walter Fire is A.B. 1942. University of Nevada Cundiff, Charles	Nev.	Dean, Thompson	DC
A.B. 1942. University of Nevada	INCY.	A.B 1915 Harvard University	816
Cund. H. Charles	Va.	A.B. 1915, Harvard University Dean, Willis Calvin	1.7
BS in ME. 1936, The George		DeBarr, John R et and	Pa.
BS in ME. 1936, The George Washington University		AB 1947, Bucknell University	
Carrin John Latertand	Va.	DeBlasis, Samuel Joseph DeBrain, Wesley	(1).10
Curry, John Vincent Curry, Stowers Leigh	N.Y.	DeBrain, Wesley	Ohno
Cirry, Stowers Leigh	Va.	B.S. in F. F. 1946. Illinois Institute of Technology	
C. Aman, Robert Everton	Minn.	of Technology	
P.S. 1915, United States Naval		Deck, William Horace BS in B.A. 1942. University of Tennessee	Md.
Acclemy Cutler, Charles Russell	211	B S in B.A. 1942, University of	
BS 1945. California Institute of	III.	De La Cara Islan Albant	T) (
Technology		RS tora Villama Calling	DC.
2 COMOTORY		De La Cova, John Albert B.S. 1037, Villatova College de la Guza, Hector Roben	Tex.
D		Delasos Louis	DC.
Daleda, Joseph	DC	Delasos, Lewis AB 1948, The George Washington	1, C.
B.S. 1914, Massachusetts Institute of	D.C.	University	
Technology		Del Russo, Alessandra Luini	D.C.
Technology LL B. 1942, The George Washington		Doctor Litter 1929, Dector Jurisp	
University		1943, University of Milan	
Daley, William John	Mass.	Dembling, Paul G	N.J.
A.B. 1941, Tufts College		A.B 1 40, A.M 1942, Rutgers Uni-	
Dalton, Stanley Charles, Jr.	D.C.	Versity	
BS, 1947, Rensselaer Polytechnic		Dennemever, John Limes	DC.
Institute		Dert, Richard J. Ison	\a.
Daniel, William Jeffress	N.C.	Destz, Edwin James	DC.
BCEE, 1947, North Carolina State		DeP vil. Joseph Vired	713
College of Agriculture and Engi-		DeRosa, Edward Francis	Mass
Daniels, Thomas John	73	AB 1947, The George Wast spron	
	Pa.	DeRosa, Fel.x Michael	N.Y.
Dat flowicz, Pascal Joseph Datin, Lewis R., Jr.	Pa.	A.B 1941, Correll University	
Darsch Earl Clement	Ohio	LLB 1941, Fordham University	
AB 1941, Western Maryland College	Va.	Derr, Charles Ivan	Pa.
Dasteel, Robert Herbert	Calif.	A.B. 1939, Illinois Wesleyan Uni-	
BS 1979, United States Naval	Curit.	versity	
Academy		Derrick, Diane Greenwood	Crah
Dauer, Maxwell	D.C.	Deters, Martin Paul, Ir.	11.
A B 1015, M.S. 1917, New York		AB 1945. Williams College	
University		Deutsch, Norman	N.Y.
David, Maurice Allen	Ind.	B Ch F. 1944. M Ch.E. 1948, New	
Davies, John Rhys	W.Va.	lork i niversity	
A.B 1946, University of North		Devison, Roderick Andrew	W.Va.
Carolina		B.S. 1943, West Virginia University	

	N.Y.	Downs, Harold Alfred	Va.
Dibner, Richard Eugene	TA. F.	Drain, Richard Dale	D.C.
B M.E. 1943, College of the City of		A P sous TI R sous Vale	
B M.E. 1943, College of the City of New York	9.7	A.B. 1941, LL.B. 1948, Yale	
Dicke, Allen August, Jr. B.S. 1947, Lehigh University	Va.	University	N.Y.
B.S. 1947, Lehigh University	201		24000
D kson, James Meck	Md.	B.S. 1040. The George Washington	
Diemer, Robert Arthur	D.C.	University	Va.
D. eton, James Meck D.emer, Robert Arthur D.etz, Stanley Martin	D.C. N.Y.	Driver, William Joseph	Va.
1) Gey. John Edward	Pa.	B.B.A. 1941, Niagara University	0.61 1
Dillion, Edward Scott	D.C.	Drysdale, Robert Morrison, Jr.	Mich.
Dilion, Edward Scott B.S. 1042. University of Illinois		A B. 1916, Harvard University	11
DiMona, Joseph Michael	N.J.	Dubiel, Joseph Michael	Va.
A B. 1947, Duke University		Dubiel, Joseph Michael B.S. 1998. University of New	
Discour Hauser David	D.C.	Hampshire	
AR rough Marshall College		Duff Alfred Ismes	Pa.
AB 1947, Marshall College Diston, Frank Farr	N.Y.	A R 10.7 Panusylvania State College	
D. von, Robert Galloway	N.Y.	Dugan, Michael Hugh	77.76.
A B. 1941, Ph.D. 1947, Syracuse	A4. A .	Duke, Norman Edward	Va.
University		A.B. 1934. LL.B. 1935, University of	
	Litah	Notre Dame	
Dixon, Rod Paul	APERTS.	Dum, Frank Bryan	Va.
A B. 1947, University of Ctan	143	Damaina Cabriel Romain	D.C.
A.B. 1947, University of Utah Dixon, Thomas Wilson	Md.	Dumaine, Gabriel Romain A.B. 1048. The George Washington	
Dixon, William Joseph	D.C.	Laiversity	
Doane, John Emil	Mal.	University Ducaina Alica Langley	N.Y.
Dobkin, Abraham	N.Y.	Dunning, Airce Langley	
A B. 1948. The George Washington University		A.M. 1941, Clark College	
University	2.62	University Dunning, Alice Langley A.B. 1944, Chrens College A.M. 1944, Clark College Dunning, Worth Louis Durgin, Franklin Willoughby Dwyer, Jean Ferguson A.B. 1948, The George Washington	Md.
Dobres, Jeanne Louise	Md.	Dunning, Worth Louis	D.C.
Dolge, Austin Phelps	Md.	Durgin, Franklin Willoughoy	D.C.
BS 1944, Massachusetts Institute		Dwyer, Jean Perguson	D.C.
of Technology		A.B. 1948, The George Washington	
Docke, John Parker A B 1940, Johns Hopkins University Doc. Norman Ross	MA		Mass.
A B 1940, Johns Hopkins University		Dwyer, John Joseph Dyck, William Donald	
Doe, Norman Ross	Mass.	Dyck, William Donald	Mo.
A.B. 1948, Marshall College		Dysart, Thomas Gilmore	MATO.
Doing, Charles Halleck	D.C.	B.S in M.E. 1943, University of	
	Md.	Missouri	
A.B. 1939. College of the City of New York		2	
New York		E.	
Donald, Samuel Everett	D.C.	Earl, Ira Roy	Nev.
A.B 1911, Lynchburg College Donelson, Kenneth William		B.S. 1948, Brigham Young Universit	У
Donelson, Kenneth William	Nebr.		
Doney, Jack Carlton	Md.	B.S. 1943, Pennsylvania State College	ge
			D.C.
Downelly, Henry Joseph	Va.	Earle, William Kenr	
Dornelly, Henry Joseph B S. 1928, C.P.A. 1940, University	Va.	Earle, John Howard B.S. 1943, Pennsylvania State Colleg Earle, William Kehr B.S. 1940, United States Coast Guar	d
Doranelly, Henry Joseph B S. 1928, C.P.A. 1940, University of Pennsylvania		Academy	u
Donnelly, Henry Joseph B S. 1925, C.P.A. 1940, University of Pennsylvania Donnelly Richard Charles		Academy Factor William Fueens	D.C.
Donnelly, Henry Joseph B S. 1925, C.P.A. 1940, University of Pennsylvania Donnelly Richard Charles		Academy Factor William Fueens	D.C. D.C.
Donnelly, Henry Joseph B S. 1925, C.P.A. 1940, University of Pennsylvania Donnelly Richard Charles	D.C. D.C. Md.	Academy Factor William Fueens	D.C.
Donnelly, Henry Joseph B S. 1925, C.P.A. 1940, University of Pennsylvania Donnelly Richard Charles	D.C. D.C.	Academy Early, William Eugene Earman, John William Earnest, John Allen	D.C. D.C.
Donnelly, Henry Joseph BS. 1928, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William James Dorie, William Matthew Dorsey, Reniamin Henry	D.C. D.C. Md. N.Y. D.C.	Academy Early, William Eugene Earman, John William Earmast, John Allen B.S. 1943, Alabama Polytechnic Linstitute	D.C. D.C.
Donnelly, Henry Joseph BS. 1928, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William James Dorie, William Matthew Dorsey, Reniamin Henry	D.C. D.C. Md. N.Y. D.C.	Academy Early, William Eugene Earman, John William Earmast, John Allen B.S. 1943, Alabama Polytechnic Linstitute	D.C. D.C.
Donnelly, Henry Joseph BS. 1928, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William James Dorie, William Matthew Dorsey, Reniamin Henry	D.C. D.C. Md. N.Y. D.C.	Academy Early, William Eugene Earman, John William Earmast, John Allen B.S. 1943, Alabama Polytechnic Linstitute	D.C. D.C. Ala.
Donnelly, Henry Joseph BS. 1928; CP A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donielly, William James Dorie, William Matthew Dorsey, Benjamin Henry B.S. 1948, University of Pennsylvan LL.B. 1948, The George Washington	D.C. D.C. Md. N.Y. D.C.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A.B. 1947, University of North	D.C. D.C. Ala.
Donnelly, Henry Joseph B S. 1928, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William James Dorie, William Matthew Dorsey, Benjamin Henry B.S. 1945, University of Pennsylvan LL.B. 1948, The George Washington University Dorsen, Edwin John	D.C. D.C. Md. N.Y. D.C.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A.B. 1947, University of North	D.C. D.C. Ala.
Donnelly, Henry Joseph B S. 1928, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William James Dorie, William Matthew Dorsey, Benjamin Henry B.S. 1945, University of Pennsylvan LL.B. 1948, The George Washington University Dorsen, Edwin John	D.C. D.C. Md. N.Y. D.C.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A.B. 1947, University of North	D.C. D.C. Ala.
Donnelly, Henry Joseph BS. 1928, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Dorie, William Matthew Dorsey, Benjamin Henry B.S. 1948, University of Pennsylvan LI.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward	D.C. D.C. Md. N.Y. D.C.	B.S. 1940, United States Coast Guar Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State	D.C. D.C. Ala.
Donnelly, Henry Joseph BS. 1928; C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William James Dorie, William Matthew Dorsey, Benjamin Henry BS. 1948, University of Pennsylvan LL.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, Lingurgatty of Cincinnat	D.C. D.C. Md. N.Y. D.C.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College	D.C. D.C. Ala. N.C.
Donnelly, Henry Joseph B S. 1925, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Matthew Dorsey, Benjamin Henry B.S. 1945, University of Pennsylvan LlB. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Dath Doceath Louisille	D.C. D.C. Md. N.Y. D.C. iia	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College	D.C. D.C. Ala. N.C.
Donnelly, Henry Joseph B S. 1925, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Matthew Dorsey, Benjamin Henry B.S. 1945, University of Pennsylvan LlB. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Dath Doceath Louisille	D.C. D.C. Md. N.Y. D.C.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College	D.C. D.C. Ala. N.C.
Donnelly, Henry Joseph BS. 1925, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Dorie, William Matthew Dories, Benjamin Henry B.S. 1945, University of Pennsylvan Li.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorotch Loucille A.B. 1941, Brenau College	D.C. D.C. Md. N.Y. D.C. Nebr. Calif.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College	D.C. D.C. Ala. N.C.
Donnelly, Henry Joseph BS. 1925, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Dorie, William Matthew Dories, Benjamin Henry B.S. 1945, University of Pennsylvan Li.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorotch Loucille A.B. 1941, Brenau College	D.C. D.C. Md. N.Y. D.C. iia	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College	D.C. D.C. Ala. N.C.
Donnelly, Henry Joseph BS. 1925, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Dorie, William Matthew Dories, Benjamin Henry B.S. 1945, University of Pennsylvan Li.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorotch Loucille A.B. 1941, Brenau College	D.C. D.C. Md. N.Y. D.C. iia Nebr. Calif. i N.C. Tenn.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College	D.C. D.C. Ala. N.C.
Donnelly, Henry Joseph BS. 1928; C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Francis Donnelly, William Matthew Dorsey, Benjamin Henry B.S. 1948; University of Pennsylvan LL.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub. Dorothy Loucille A.B. 1941, Brenau College Dougan, William Page B.S. 1939, University of Tennessee	D.C. D.C. Md. N.Y. D.C. iia Nebr. Calif. i N.C. Tenn.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College	D.C. D.C. Ala. N.C.
Donnelly, Henry Joseph BS. 1928; C. P. A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Francis Donnelly, William Matthew Dorsey, Benjamin Henry BS. 1948, University of Pennsylvan LL.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorothy Loucille A.B. 1941, Brenau College Dougan, William Page B.S. 1930, University of Tennessee Dougherty, Frank Robert A.B. 1946, The George Washington	D.C. D.C. Md. N.Y. D.C. iia Nebr. Calif. i N.C. Tenn.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1043, Alabama Polytechnic Institute Earnheart, Frank Jones A.B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College Edmondson. Francis Livingston Ph. B. 1948, Emory University Egger, Roscoe Lynn B.S. 1942, Indiana University Egly, Paul Wesley A.B. 1946, University of California at Los Angeles Ebdich Regnard	D.C. D.C. Ala. N.C. Tex. Pla. Md. Calif.
Donnelly, Henry Joseph BS. 1925, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Matthew Dorsey, Benjamin Henry B.S. 1945, University of Pennsylvan Ll., 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorothy Loucille A.B. 1941, Brenau College B.S. 1930, University of Tennessee Dougan, William Page B.S. 1930, University of Tennessee Dougherty, Frank Robert A.B. 1946, The George Washington University	D.C. D.C. Md. N.Y. D.C. iia Nebr. Calif. i N.C. Tenn.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1043, Alabama Polytechnic Institute Earnheart, Frank Jones A.B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College Edmondson. Francis Livingston Ph. B. 1948, Emory University Egger, Roscoe Lynn B.S. 1942, Indiana University Egly, Paul Wesley A.B. 1946, University of California at Los Angeles Ebdich Regnard	D.C. D.C. Ala. N.C. Tex. Pla. Md. Calif.
Donnelly, Henry Joseph BS. 1925, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Francis Donnelly, William Matthew Dorsey, Benjamin Henry B.S. 1945, University of Pennsylvan Li.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorothy Loucille A.B. 1941, Brenau College B.S. 1939, University of Tennessee Dougherty, Frank Robert A.B. 1946, The George Washington University Dougherty, Thomas James Dougherty, Thomas James	D.C. D.C. Md. N.Y. D.C. iia Nebr. Calif. i N.C. Tenn. D.C.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College Edmondson, Francis Livingston Ph B. 1942, Emory University Egger, Roscoe Lynn B.S. 1942, Indiana University Egly, Paul Wesley A.B. 1946, University of California at Los Angeles Ehrlich, Bernard A.B. 1947, The George Washington	D.C. D.C. Ala. N.C. Tex. Pla. Md. Calif.
Donnelly, Henry Joseph BS. 1925, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Francis Donnelly, William Matthew Dorsey, Benjamin Henry B.S. 1945, University of Pennsylvan Li.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorothy Loucille A.B. 1941, Brenau College B.S. 1939, University of Tennessee Dougherty, Frank Robert A.B. 1946, The George Washington University Dougherty, Thomas James Dougherty, Thomas James	D.C. D.C. Md. N.Y. D.C. iii Nebr. Calif. i N.C. Tenn. D.C.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A.B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College Edmondson, Francis Livingston Ph.B. 1924, Emory University Egge, Roscoe Lynn B.S. 1942, Indiana University Egge, Paul Wesley A.B. 1946, University of California at Los Angeles Ehrlich, Bernard A.B. 1947, The George Washington University	D.C. D.C. Ala. N.C. Tex. Fla. Md. Calif.
Donnelly, Henry Joseph BS. 1928, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Francis Donnelly, William Henry B.S. 1948, University of Pennsylvan LI.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorothy Loucille A.B. 1941, Brenau College Dougan, William Page B.S. 1939, University of Tennessee Dougherty, Frank Robert A.B. 1946, The George Washington University Dougherty, Thomas James Douglas, Eleanor Preston B.S. 1948, University of Alabama	D.C. D.C. Md. N.Y. D.C. iia Nebr. Calif. i N.C. Tenn. D.C. N.D. Fla,	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College Edmondson, Francis Livingston Ph B. 1924, Emory University Egger, Roscoe Lynn B.S. 1942, Indiana University Egly, Paul Wesley A.B. 1946, University of California at Los Angeles Echlich, Bernard A.B. 1947, The George Washington University Eichenlaub, Frank Joseph, Jr.	D.C. D.C. Ala. N.C. Tex. Fla. Md. Calif. D.C.
Donnelly, Henry Joseph BS. 1928, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Francis Donnelly, William Henry B.S. 1948, University of Pennsylvan LI.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorothy Loucille A.B. 1941, Brenau College Dougan, William Page B.S. 1939, University of Tennessee Dougherty, Frank Robert A.B. 1946, The George Washington University Dougherty, Thomas James Douglas, Eleanor Preston B.S. 1948, University of Alabama	D.C. D.C. Md. N.Y. D.C. iii Nebr. Calif. i N.C. Tenn. D.C.	Academy Early, William Eugene Earman, John William Earnest, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A.B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College Edmondson, Francis Livingston Ph.B. 1942, Emory University Egger, Roscoe Lynn B.S. 1943, Indiana University Egly, Paul Wesley A.B. 1946, University of California at Los Angeles Ehrlich, Bernard A.B. 1947. The George Washington University Eichenlaub, Frank Joseph, Jr. Eldredge, Robert Breene	D.C. D.C. Ala. N.C. Tex. Fla. Md. Calif.
Donnelly, Henry Joseph BS. 1928, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Francis Donnelly, William Henry B.S. 1948, University of Pennsylvan LI.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorothy Loucille A.B. 1941, Brenau College Dougan, William Page B.S. 1939, University of Tennessee Dougherty, Frank Robert A.B. 1946, The George Washington University Dougherty, Thomas James Douglas, Eleanor Preston B.S. 1948, University of Alabama	D.C. D.C. Md. N.Y. D.C. iia Nebr. Calif. i N.C. Tenn. D.C. N.D. Fla.	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A.B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College Edmondoon, Francis Livingston Ph.B. 1924, Emory University Egger, Roscoe Lynn B.S. 1942, Indiana University Egly, Paul Wesley A.B. 1946, University of California at Los Angeles Ehrlich, Bernard A.B. 1947. The George Washington University Eichenlaub, Frank Joseph, Jr. Eldragge, Robert Breene A.B. 1948, Duke University	D.C. D.C. Ala. N.C. Tex. Fla. Md. Calif. D.C. Fla. Vt.
Donnelly, Henry Joseph BS. 1928; C. P. A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Francis Donnelly, William Francis Donnelly, William Matthew Dorsey, Benjamin Henry BS. 1948; University of Pennsylvan LL.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub. Dorothy Loucille A.B. 1941, Brenau College Dougan, William Page B.S. 1939, University of Tennessee Dougherty, Frank Robert A.B. 1946, The George Washington University Dougherty, Thomas James Douglas, Eleanor Preston B.S. 1943, University of Alabama Dowell, Arthur Edward B.S. 1943, Princeton University	D.C. D.C. Md. N.Y. D.C. iia Nebr. Calif. i N.C. Tenn. D.C. N.D. Fla,	Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A.B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College Edmondoon, Francis Livingston Ph.B. 1924, Emory University Egger, Roscoe Lynn B.S. 1942, Indiana University Egly, Paul Wesley A.B. 1946, University of California at Los Angeles Ehrlich, Bernard A.B. 1947. The George Washington University Eichenlaub, Frank Joseph, Jr. Eldragge, Robert Breene A.B. 1948, Duke University	D.C. D.C. Ala. N.C. Tex. Fla. Md. Calif. D.C. Fla. Vt.
Donnelly, Henry Joseph BS. 1928, C.P.A. 1940, University of Pennsylvania Donnelly, Richard Charles Donnelly, William Francis Donnelly, William Francis Donnelly, William Francis Donnelly, William Henry B.S. 1948, University of Pennsylvan LI.B. 1948, The George Washington University Dotson, Edwin John Doty, Dale Edward A.B. 1936, Pomona College A.M. 1938, University of Cincinnat Doub, Dorothy Loucille A.B. 1941, Brenau College Dougan, William Page B.S. 1939, University of Tennessee Dougherty, Frank Robert A.B. 1946, The George Washington University Dougherty, Thomas James Douglas, Eleanor Preston B.S. 1948, University of Alabama	D.C. D.C. Md. N.Y. D.C. iia Nebr. Calif. i N.C. Tenn. D.C. N.D. Fla.	B.S. 1949, United States Coast Guar Academy Early, William Eugene Earman, John William Earnest, John Allen B.S. 1943, Alabama Polytechnic Institute Earnheart, Frank Jones A.B. 1947, University of North Carolina Easley, Sidney Price B.S. 1940, Stephen F. Austin State Teachers College Edmondson, Francis Livingston Ph.B. 1924, Emory University Egger, Roscoe Lynn B.S. 1942, Indiana University Egger, Paul Wesley A.B. 1946, University of California at Los Angeles Ehrlich, Bernard A.B. 1947, The George Washington University Eichenlaub, Frank Joseph, Jr. Eldredge, Robert Breene A.B. 1948, Duke University	D.C. D.C. Ala. N.C. Tex. Fla. Md. Calif. D.C. Fla. Vt.

Elias, Jack Isidor	N.Y.	Fay, Robert Jessee	Ohio
B.B.A. 1941, College of the City of		B.S. 1742, Massachusetts Institute of Technology LL B 1948, Western Reserve	
New York	III.	1 cchnology	
Elliott, Ralph Earle, Jr. Elliott, Stephan Lyone	D.C.	University Western Reserve	
Elliott William Homer, Ir.	N.J.	Federko, Walter	N.J.
Elliott, William Homer, Jr. A.B. 1949, Wesleyan University	24.3.	AB 1947. Cornell University	.4.3.
Ely, Robert Burroughs	Va.	AB 1947. Cornell University Feingersh, Charles Seymour	Md.
A.B 1920, Emory and Henry College		AB 1945, College of the City of	
LL.B. 1926, The George Washington		New York	
University		Feldman, Melvin Martin	DC.
Embrey, I emuel Jackson	Va.	Feliers, Raymond David	N.J.
AB. 1917. The George Washington		Fellows, William Albert	Maine
Envelburdt, Charles William	D.C.	Fenderson, Ralph Leon, Jr.	Ariz,
Engelthaler, Fred Edward	111.		ZVIIZ.
B.S. 1948, Illinois Institute of	A ***.	AB 1942, University of California at Los Angeles	
Technology		Ferber, Ruth Sures	Pa.
Engle, Clarence Hess, Jr.	Kans.	A.B. 1946. The George Washington	
A.B. 1044. University of Kansas		University	
English. Thomas Young	Tenn.	Ferrill, Grace Cecelia	R.I.
A.B. 1939. The George Washington		A.B. 1948, The George Washington	
University	N.Y.	University	9.
Ergas, Isaac B.M.E. 1948, New York University	14.1.	Ferry, John Haul	Va.
Esch. Arthur Gerald	III.	AB. 19,17, BS. 1938, St. Joseph's College	
B.S. 1940. United States Naval		Fiddler, Robert William	N.Y.
Academy		B.M.E. 1946. College of the City of	
Eslinger, Frank Robert	Va.	B M E 1946, College of the City of New York	
B.S. 1046. University of New Mexic Esteva. Henry	0	Field, Lawrence Irving	Pa.
Esteva, Henry	Fla.	B S. 1918. College of the City of New York	
Evirs, Walker Williams	D.C.	New York	21.21
B.S 1010. Presbyterian College Even, Francis Alphonse	III.	Field, Milton Mortimer	N.Y.
B.S. in M.E. 1942, University of	2.55.	B.S. in E.E. 1948, University of Nebraska	
Illinois		Fields, Orden Wilson	Calif.
***************************************		A.B. 1911, University of California	Carri.
		Fields Paul Henry, Ir	1 2
F		Filippone, Frank Joseph	Ma.
Fahrney, John William	D.C.	Fil ppone, Joseph Stophen	1 /
A B. 1948, The George Washington		Fin 1. Walter Galer st	PIG
University		B.M.E. 1940, Johns Hopkins	
Fain, Martin Robert	D.C.	University LL B 1948. Temple University Finders Lea M. Leak	
Fair, Robert James	Ind.	Finders, Lee McLo St	Iowa
AB 1947. The George Washington		AB 1942, University of Iowa	7044
Fairbanks, Eugene Francis	Mass.	Findley, William Joseph	Wash.
Falk, Morris	Conn.	A.B 1941, M.D. 1947, University	
Falloon, James Hugh, Jr.	Nebr.	of Texas	
A.B. 1048. The George Washington		Finkelstein, Saul Louis	V. V.
('c versit'		Finken, Warren Floor	DC
Fanget Louis Alfred	N.J.	R S. 1048, University of Wisconsin	
A.B. 1919, Ruthers University Farnsworth, Carl Davis	*** **	Finley, Charles Truman	713
Farnsworth, Carl Divis	W.Va.	Finees, Robert Ross	DC.
Ph B 1942 West Virginia University Farrell, Edwir Henry, Jr.	NT T	Firshi, Peter Hergesheimer	\ a
Farrell Life Joseph	N.J. D.C.	B.S. 1911. Drexel Institute of	
BS 1046, University of South	D.C.	Technology	6.0
Carolina		Fischer, Harry Carl	SC.
Farris, Raymond	N.C.	Fischer, John Janos	
Except Libra Howard	Md.	Fisher, Henry Arthur A.B. 1043, West Virgonia University Fisher, John H.	W Va
A.B. 1916 University of Maryland	_	Fisher John II	DC
A.B. 1916. University of Maryland Faubion, Urbin Hart	Tex.	Doctor of Laws 1931, University of	DC.
BS in E.E. 1948, University of Texas		Prague	
Texas	MIT	Firzgerald, Donald Edward	DC.
Pausei, Waiter Eugene	N.J.	Firesimmons, James F	Calif.
B.S. 1929, Pennsylvania State College LL.B. 1948, Washington and Lee		Fitzs.mmons, James William	1.1.
University		B.M.E. 1942, Polytechnic Institute e	of
Faust, James Emory	D.C.	Brooklyn	
A.B. 1948, The George Washington		Flanagan, Bernard Lawrence	Utah
University		Flanagan, Winifred Winson	D.C.
Favarella, Fiodie Paul	Pa.	A.B. 1939, University of Chicago	

Flancher Robert Lee A.B. 1946. The George Washington Flar, Louis B.S. 1943. University of Maryland Fleenman, Lester Letoy I Lawrenity				
A.B. 1946. The George Washington University Flaz, Louis B.S. 1941. University of Maryland Pleishman, Irving Flesman, Irving Fl	Flanders, Robert Lee	Tex.	Freudenberg, Maxwell Charles	111.
University B.S. 104.1 University B.S. 104.2 University B.S. 104.3 University of Wisconsin Frank, Robert Derliner A.B. 104.3 University B.S. 104.3 University B.S. 104.3 University of Wisconsin Frank, Robert Derliner A.B. 104.3 University B.S. 104.3 University of Wisconsin Frank, Robert Derliner A.B. 104.4 University Frank Wilsam B.S. 104.5 University Conn. B.S. 104.5 University of Wisconsin Frank, Robert Derliner A.B. 104.5 University Frank Wilsam B.S. 104.5 University Frank Wilsam B.S. 104.7 University Frank Wilsam B.S. 104.7 University Frank Wilsam B.S. 104.7 University Frank Robert Mendel B.S. 104.8 University of Florida B.S. 104.7 University of Wisconsin Frank Robert Mendel B.S. 104.7 University Frank Wilsam B.S. 104.7 University of Wisconsin Frank Robert Mendel B.S. 104.7 University of Michigan R.C. Garden, Franklin and Marshall College Garden, Franklin and Marshall C	A.B. 1946. The George Washington		B.S in E.E. 1948, University of	
First, Lotter, Lordy Flemman, Leving Flemman, Edward AB 1948 Forman, Edward AB 1948 Forman, Edward Forman, Leving Flemman, Leving Flemman, Leving Flemman, Leving Flemman, Leving Flemman, Leving Flemman, Edward Forman, Leving Flemman, Edward Forman, Leving Flemman, Edward Forman, Edward Mo. BS 1940 Forman,	University	D.O.		11. 1.
Fleenste, Bessales Leyle, Jr. Fleenste, George Washington Linersity Fleenste, Bessales Leyle, Jr. Fleenste, George Washington Formen, Fleenste, Mary Hall AB 1997. Cheef Edward B 2 1998. College of the City of New York Formen, Leanard B 3 1992. College of the City of New York Formen, Leanard B 3 1992. College of the City of New York Formen, Leanard B 5 1992. University of Wisconsin Formen, Wilham Charles Footer, George Howard B 3 1992. University of Wisconsin Forste, Marken Bair AB 1994. University of Wisconsin Forste, Marken Bair AB 1994. University of Wisconsin Forst, Lawrence AB 1994. University of Wisconsin Forst, Lawrence University Footer, Marson Julian B 3. 1994. University of Wisconsin Forst, Cawrent Louisersity Footer, Marson Julian B 3. 1994. Carle University Frank, Kissy Blair AB 1994. University of Wisconsin Frank, Robert Derlinger AB 1994. University of Wisconsin Frank, Abraham Frankel, Abraham B 3. 1994. University of Wisconsin Frank, Robert Derlinger AB 1994. University of Wisconsin Frankel, Abraham B 3. 1994. University of Wisconsin Frankel, Abraham B 3. 1994. University of Wisconsin Frankel, Abraham B 4. 1994. University of Wisconsin Frankel, Abraham B 5. 1994. University of Wisconsin Frankel, Abraham B 5. 1994. The George Washington University Fremen, Rivis Matteson B 5. 1994. The George Washington University Fremen, Rivis Matteson B 5. 1994. The George Washington University Fremen, Rivis Matteson B 5. 1994. The George Washington University Fremen, Rivis Matteson B 6. 1994. The George Washington University Fremen, Rivis Matteson B 6. 1994. The George Washington University Fremen, Rivis Matteson B 7. 1994. The George Washington University Fremen, Rivis Watteson B 7. 1994. The George Washington University Fremen, Rivis Watteson B 7. 1994. The George Washington University Fremen, Rivis Watteson B 7. 1994. The George Washington University Fremen, Rivis Wasteson B 7. 1994. The George Washington University Fremen, Rivis Watteson B 7. 1994. The George Washington University Fremen, Rivis Wasteson B 7.	Flax, Louis	D.C.	Frick, Charles Ellis	
Fleenste, Bessales Leyle, Jr. Fleenste, George Washington Linersity Fleenste, Bessales Leyle, Jr. Fleenste, George Washington Formen, Fleenste, Mary Hall AB 1997. Cheef Edward B 2 1998. College of the City of New York Formen, Leanard B 3 1992. College of the City of New York Formen, Leanard B 3 1992. College of the City of New York Formen, Leanard B 5 1992. University of Wisconsin Formen, Wilham Charles Footer, George Howard B 3 1992. University of Wisconsin Forste, Marken Bair AB 1994. University of Wisconsin Forste, Marken Bair AB 1994. University of Wisconsin Forst, Lawrence AB 1994. University of Wisconsin Forst, Lawrence University Footer, Marson Julian B 3. 1994. University of Wisconsin Forst, Cawrent Louisersity Footer, Marson Julian B 3. 1994. Carle University Frank, Kissy Blair AB 1994. University of Wisconsin Frank, Robert Derlinger AB 1994. University of Wisconsin Frank, Abraham Frankel, Abraham B 3. 1994. University of Wisconsin Frank, Robert Derlinger AB 1994. University of Wisconsin Frankel, Abraham B 3. 1994. University of Wisconsin Frankel, Abraham B 3. 1994. University of Wisconsin Frankel, Abraham B 4. 1994. University of Wisconsin Frankel, Abraham B 5. 1994. University of Wisconsin Frankel, Abraham B 5. 1994. The George Washington University Fremen, Rivis Matteson B 5. 1994. The George Washington University Fremen, Rivis Matteson B 5. 1994. The George Washington University Fremen, Rivis Matteson B 5. 1994. The George Washington University Fremen, Rivis Matteson B 6. 1994. The George Washington University Fremen, Rivis Matteson B 6. 1994. The George Washington University Fremen, Rivis Matteson B 7. 1994. The George Washington University Fremen, Rivis Watteson B 7. 1994. The George Washington University Fremen, Rivis Watteson B 7. 1994. The George Washington University Fremen, Rivis Watteson B 7. 1994. The George Washington University Fremen, Rivis Wasteson B 7. 1994. The George Washington University Fremen, Rivis Watteson B 7. 1994. The George Washington University Fremen, Rivis Wasteson B 7.	B.S. 1941. University of Maryland	DC		D.C.
Filter, Groupe M. A. B. 1945. Rate University LI. B. 1945. The George Washington University Floss, Rushard Konrad Rushard Konrad Floss, Rushard Konrad Rushard Konrad Rushard Konrad Floss, Rushard Konrad Rushard Kushard Rushard Konrad Rushard Konrad Rushard Konrad Rushard Konrad Rushard Konrad Rushard Kushard Rushard Kusha	Fleishman, Irving	D.C.	Friedman Martin Leonard	N.J.
Fliest, George Maskingtons University II. B 1725. The George Waskingtons University Fliss, Rashatd Kontad Flounders, Mary Hall Plank B. 1924. Raskeliffe College Foley, James Kieran Foley, McWarel Edward Foles, William John B.S. in M.E. 1924. Missouri School of Manes and Metallurgy Formus, Leonard B.S. 1924. College of the City of M.S. 1924. College of the City of M.S. 1924. College of the City of M.S. 1924. College of the City of B.S. 1924. College of the City of M.S. 1924. College of the City of B.S. 1924. College of the City of M.S. 1924. University of B.S. 1924. University of Wisconsin Forster, George Howard B.S. 1924. University of Wisconsin Forster, Grooden A.B. 1924. Universi	Flor her Best te Lyle Ir	Va.	A.B. 1919. Rutgers University	
A B. 1942. Harvard University Flos. Rubaled Kontad D.C. Rubaled Kontad From. Lilused States Naval Rubaled Kontad R	Flort George M	Mass.	Friedman, Norman	N.Y.
Floanders Mary Hall AB 1998, Raskelffe College Foley, James Keeran Foley, Michael Edward BS. in ME 1998, Missouri School of Mines and Metallurgy Forman, Judward AB 1992, College of the City of New York Forman, Leanard BS. in ME 1998, University of Formen, Julius BS. in ME 1998, University of Mines and Metallurgy Forman, Judward AB 1992, College of the City of New York Forman, Leanard BS 1994, College of the City of New York Formen, Julius BS. in ME 1994, University of Missouri Forman, Judward AB 1992, University of Wisconsin Fortune, William Charles Foster, George Howard BS 1994, University of Wisconsin Fortune, William Charles Forter, Grotolon AB 1992, University of Wisconsin Fortune, Milliam Charles Forter, Marson Julian Additional College of the City of New York Fortune, Julius BS. in ME 1994, University of Missouri Fursh, Missouri Fortune, William Albert City of New York Gable, Robert Barth Gabletta, Mary Jane Callege of the City of New York Fortune, Julius BS. in ME 1994, University of Missouri Fursh, Missouri Fursh, Marson Julian AB 1992, University of Wisconsin Fortune, William Albert City of New York Gallin, Victor John Carolina Franke, Abraham BS. 1994, University of Wisconsin Frank, Robert Derlinger AB 1992, University of Wisconsin Frank, Robert Derlinger AB 1992, University of Wisconsin Frank, Robert Derlinger AB 1993, University of Wisconsin Frank, Robert Derlinger AB 1993, University of Wisconsin Frank, Kisty Blair AB 1993, University of Wisconsin Frank, Kisty Blair AB 1993, University of Wisconsin Frank, Kisty Blair AB 1993, University of Wisconsin Frank, Robert Derlinger AB 1993, University of Wisconsin Frank Robert Derlinger AB 1993, University of Wisconsin Frank Robert Derlinger AB 1993, University of Wisconsin Frank Robert Derlinger AB 1993, University of Wisconsin Fran	A.B. 1940, Harvard University		B.M E. 1945, College of the City of	
Floanders, Mary Hall AB 1949, Raskelfief College Foley, James Kueram Foley, Miscare Edward BS. in Mb. 1948, Missouri School of Mines and Metallurgy Forman, Jichard Edward AB. 1942. College of the City of New York Forman, Leanard BS. 1940, College of the City of New York Forman, Leanard BS. 1942, College of the City of New York Formes, Julius Ewense, Jr. BS. 1943, University of Md. BS. 1943, University of Forman, Mislam N.Y. BS. 1942, College of the City of New York Formes, Julius Ewense, Jr. BS. 1943, University of Md. BS. 1943, University of N.Y. BS. 1943, University of N.Y. Sortenes, George Washington University Fortune, William N.Y. BS. 1943, University of Md. BS. 1943, University of N.Y. Sortenes, George Washington University MS. 1945, Syracuse University MS. 1945, Syracuse University MS. 1945, University of Wisconsin Frank, Robert Derlinger AB. 1943, University of Wisconsin Frank, Robert Derlinger AB. 1945, University of Wisconsin Frank, Robert Derlinger AB. 1946, College of the City of New York BS. 1945, University of Wisconsin Frank, Robert Derlinger AB. 1946, College of the City of New York Galling, Wictor John BS. 1946, Villanowa College Galling, Morton Robert BS. 1946, College of the City Of New York Galling, Wictor John BS. 1946, Villanowa College Galling, Wictor John BS. 1946, Villanowa College Galling, Wictor John BS. 1947, University of Wisconsin BS. 1947, University o	1.1. B 1745. The George Washington		New York	141
Flounders, Mary Hall Flounders, Mary Hall Flounders, Mary Hall Flounders, M. Radekiffe College Foley, Marken Fakward A. B. 1942. College of the City of New York Forman, Edward A. B. 1942. College of the City of New York Forman, Leonard B. 1948. The George Washington University Fort. James Frazier Fostore, George Howard B. S. 1942. University of Wisconsin Fostore, William Charles Foster, George Howard B. 1942. University of Virginia Powle, John Robert Ford, Mary Blair Frank, Robert Develineer A. B. 1944. Clark University Frank, Robert Develineer A. B. 1944. Conger University Frank, Robert Develineer A. B. 1945. University of Wisconsin Frank, Robert Develineer A. B. 1945. University of Wisconsin Frank, Robert Develineer A. B. 1948. The George Washington University Frank, Robert Develineer A. B. 1948. The George Washington University Frank, Robert Mendel B. S. 1945. Google of the City of New York Tenn. B. 1948. The George Washington University Frank, Robert Mendel B. S. 1945. University of Wisconsin Frank, Robert Mendel B. S. 1945. University of Wisconsin Frank, Robert Mendel B. S. 1945. University of Wisconsin Frank, Robert Mendel B. S. 1945. University of Wisconsin Frank, Robert Mendel B. S. 1945. University of Wisconsin Frank, Robert Mendel B. S. 1945. University of Wisconsin Frank, Robert Mendel B. S. 1945. University of Wisconsin Frank, Robert Mendel B. S. 1945. University of Wisconsin Frank, Robert Mendel B. S. 1945. University of Wisconsin Frank William Thomas B. 1945. The George Washington University Frank William Thomas B. 1945. Duke University Frank William Thomas B. 1945. The George Washington Conn. B. 1946. Clark University of Wisconsin Frank William Thomas B. 1946. Clark University of Wisconsin Frank Robert Mendel B. S. 1945. University of Wisconsin Frank Robert Mendel B. S. 1945. University of Michigan Robe	University			
A B 1948, Raskliffe College Foley, Junes Kurson Foley, Michael Edward Foles, William John B S. in M E. 1948, Missouri School of Mines and Metallurgy Forman, Edward B S. 1949, College of the City of New York Forman, Edward B S. 1949, College of the City of New York Forman, Edward Forman, Edward B S. 1949, College of the City of New York Forman, Edward B S. 1942, University of Wisconsin Fortune, William Charles Foster, George Howard B S. 1942, University of Virginia Fowle, John Robert Fox. Edward Louis Fox. Edward L	Fliss, Richard Konrad		Frome, Julius	D.C.
Milliam Abert Derliner A. B. 1945. Wilson States Naval A. B. 1942. College of the City of New York B. 1940. College of the City of New York Forrest, Herbert Emerson A. B. 1943. University of Wisconsin Fortune, William Charles Foster, George Howard B. S. 1942. University of Wisconsin Foster, George Howard B. S. 1942. University of Wisconsin Foster, George Howard B. S. 1943. University of Wisconsin Foster, Marson Julian B. S. 1944. Clark University A. B. 1944. Clark University Frank, Rivis Blair A. B. 1943. University of Wisconsin Frank Robert Standish Frank Robert Standish Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1944. Clark University Frank Rivis Blair A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1944. Clark University Frank Rivis Matteson B. S. 1947. Massachusetts Institute of Technolosy Frankin, Jordan B. S. 1947. Massachusetts Institute of Technolosy Frankin, Rivis Matteson B. S. 1944. Clark University Frank Robert Mendel B. S. 1945. University of Wisconsin Frank Robert Mendel B. S. 1945. University of Wisconsin Frank Robert Mendel B. S. 1947. Massachusetts Institute of Technolosy Frankin, Rivis Matteson B. S. 1944. Nassachusetts Institute of Technolosy Frankin, Jordan B. 1945. University of Wisconsin Frank Robert Mendel B. S. 1945. University of California at Los Anseles B. 1948. University of B. S. 1948. University of B. S. 1949. University of B. S. 1949. University of B. S. 1949. University of B. S. 1940. University Gardner, Spencer Delos Gardner, Ruius Sanders, Jr. B. 1941. University of Michigan M. C. University of Michi	Flo inders, Mary Hall	l'a.	B.S. 1936, College of the City of	
Milliam Abert Derliner A. B. 1945. Wilson States Naval A. B. 1942. College of the City of New York B. 1940. College of the City of New York Forrest, Herbert Emerson A. B. 1943. University of Wisconsin Fortune, William Charles Foster, George Howard B. S. 1942. University of Wisconsin Foster, George Howard B. S. 1942. University of Wisconsin Foster, George Howard B. S. 1943. University of Wisconsin Foster, Marson Julian B. S. 1944. Clark University A. B. 1944. Clark University Frank, Rivis Blair A. B. 1943. University of Wisconsin Frank Robert Standish Frank Robert Standish Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1944. Clark University Frank Rivis Blair A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1944. Clark University Frank Rivis Matteson B. S. 1947. Massachusetts Institute of Technolosy Frankin, Jordan B. S. 1947. Massachusetts Institute of Technolosy Frankin, Rivis Matteson B. S. 1944. Clark University Frank Robert Mendel B. S. 1945. University of Wisconsin Frank Robert Mendel B. S. 1945. University of Wisconsin Frank Robert Mendel B. S. 1947. Massachusetts Institute of Technolosy Frankin, Rivis Matteson B. S. 1944. Nassachusetts Institute of Technolosy Frankin, Jordan B. 1945. University of Wisconsin Frank Robert Mendel B. S. 1945. University of California at Los Anseles B. 1948. University of B. S. 1948. University of B. S. 1949. University of B. S. 1949. University of B. S. 1949. University of B. S. 1940. University Gardner, Spencer Delos Gardner, Ruius Sanders, Jr. B. 1941. University of Michigan M. C. University of Michi	A B 1948, Radeline College	NV	Fra France William	D.C
Milliam Abert Derliner A. B. 1945. Wilson States Naval A. B. 1942. College of the City of New York B. 1940. College of the City of New York Forrest, Herbert Emerson A. B. 1943. University of Wisconsin Fortune, William Charles Foster, George Howard B. S. 1942. University of Wisconsin Foster, George Howard B. S. 1942. University of Wisconsin Foster, George Howard B. S. 1943. University of Wisconsin Foster, Marson Julian B. S. 1944. Clark University A. B. 1944. Clark University Frank, Rivis Blair A. B. 1943. University of Wisconsin Frank Robert Standish Frank Robert Standish Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1944. Clark University Frank Rivis Blair A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1944. Clark University Frank Rivis Matteson B. S. 1947. Massachusetts Institute of Technolosy Frankin, Jordan B. S. 1947. Massachusetts Institute of Technolosy Frankin, Rivis Matteson B. S. 1944. Clark University Frank Robert Mendel B. S. 1945. University of Wisconsin Frank Robert Mendel B. S. 1945. University of Wisconsin Frank Robert Mendel B. S. 1947. Massachusetts Institute of Technolosy Frankin, Rivis Matteson B. S. 1944. Nassachusetts Institute of Technolosy Frankin, Jordan B. 1945. University of Wisconsin Frank Robert Mendel B. S. 1945. University of California at Los Anseles B. 1948. University of B. S. 1948. University of B. S. 1949. University of B. S. 1949. University of B. S. 1949. University of B. S. 1940. University Gardner, Spencer Delos Gardner, Ruius Sanders, Jr. B. 1941. University of Michigan M. C. University of Michi	Forey, James Kleran	D.C.	France Norman Ewing Ir	
Milliam Abert Derliner A. B. 1945. Wilson States Naval A. B. 1942. College of the City of New York B. 1940. College of the City of New York Forrest, Herbert Emerson A. B. 1943. University of Wisconsin Fortune, William Charles Foster, George Howard B. S. 1942. University of Wisconsin Foster, George Howard B. S. 1942. University of Wisconsin Foster, George Howard B. S. 1943. University of Wisconsin Foster, Marson Julian B. S. 1944. Clark University A. B. 1944. Clark University Frank, Rivis Blair A. B. 1943. University of Wisconsin Frank Robert Standish Frank Robert Standish Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1944. Clark University Frank Rivis Blair A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1943. University of Wisconsin Frank Robert Derliner A. B. 1944. Clark University Frank Rivis Matteson B. S. 1947. Massachusetts Institute of Technolosy Frankin, Jordan B. S. 1947. Massachusetts Institute of Technolosy Frankin, Rivis Matteson B. S. 1944. Clark University Frank Robert Mendel B. S. 1945. University of Wisconsin Frank Robert Mendel B. S. 1945. University of Wisconsin Frank Robert Mendel B. S. 1947. Massachusetts Institute of Technolosy Frankin, Rivis Matteson B. S. 1944. Nassachusetts Institute of Technolosy Frankin, Jordan B. 1945. University of Wisconsin Frank Robert Mendel B. S. 1945. University of California at Los Anseles B. 1948. University of B. S. 1948. University of B. S. 1949. University of B. S. 1949. University of B. S. 1949. University of B. S. 1940. University Gardner, Spencer Delos Gardner, Ruius Sanders, Jr. B. 1941. University of Michigan M. C. University of Michi	Foles William John		B.S. 1038. United States Naval	
Mines and Metallurgy Formate, behaved A B 1942. College of the City of New York Formate, Leasand B'S 1940. College of the City of New York Formate, Leasand B'S 1940. College of the City of New York Forest, Herbert Emerson A B 1942. University of Wisconsin Fortune, William Fortune, William Fortune, William Fortune, William B S 1942. University of Wisconsin Fortune, William Fortune, William Fortune, William Fortune, William Fortune, William B S 1942. University of Virginia Fowle, John Robert Fox. Edward Louis Fox	B.S. in M.E. 1948, Missouri School of		Academy	
Va. B. S. 1942. College of the City of New York Forman, Lebanard B.S. 1940. College of the City of New York Forman, Lebanard B.S. 1940. College of the City of New York Forest, Herbert Emerson A.B. 1941. The George Washington University Fort. James Frazier Fortner, George Howard B.S. 1942. University of Wisconsin Fortner, Wilham Charles Foster, George Howard B.S. 1942. University of Wisconsin Fowle, John Robert Fowle, John Robert Fow. Edward Louis Fow. Lawrence A.B. 1943. University of Wisconsin Frank, Kisty Blair A.B. 1943. University of Wisconsin Frank, Robert Derlinger A.B. 1943. University of Wisconsin Franklin, Joseph Gardner A.B. 1945. The George Washington University Franklin, Roths Matteson B.S. 1945. Washington University Franklin, Britis Matteson B.S. 1946. University of Wisconsin Franklin, Joseph Gardner A.B. 1945. University of	Mines and Metallurgy		Funkhouser, Claude	MJ.
N.Y. Sabie, 1948,	Forman, Edward	Va.	BS in M.E. 1943, University of	
Formun, Leanard BS 1930. College of the City of New York Forrest, Herbert Emerson A.B. 1943. The George Washington University Forti, James Frazier Fortiney, Gordon AB 1932. University of Wisconsin Fortune, William Charles Foster, George Howard BS 1942. United States Naval Academy Foster, Marson Julian BS 1942. University of Virginia Powle, John Robert Fox. Lawrence A.B. 1944. Clark University Frank, Ritty Blair A B 1945. University of Wisconsin Frank Robert Derlineer A.B 1945. University of North Carolina Franklin, Jordan B.S. 1945. Syracuse University Franklin, Jordan B.S. 1945. University of North Carolina Franklin, Joseph Gardner A.B. 1945. The George Washington University Franklin, Rufus Matteson B.S. 1945. Massachusetts Institute of Tenniousy Franzaman, Carl Walter Franklin, Rufus Matteson B.S. 1945. University of North Carolina Franklin, Rufus Matteson B.S. 1945. University of North Carolina Franklin, Rufus Matteson B.S. 1947. Missachusetts Institute of Tenniousy Franzaman, Carl Walter Franklin, Rufus Matteson B.S. 1947. University of California at Los Angeles Gardner, Edith Rose A.B. 1948. University of California at Los Angeles Gardner, Spenteer Delos Gareau, Charles Frederick B.S. 1945. University of California at Los Angeles Gardner, Spenteer Delos Gareau, Charles Frederick B.S. 1945. University of College Gardner, Spenteer Delos Gareau, Charles Frederick B.S. 1947. University of Michael B.S. 1947. University of Michael B.S. 1947. University of Michael B.S. 1948. University of Michael B.S. 1949. University of College Gardner, Spenteer Delos Gareau, Charles Frederick B.S. 1949. University of Michael B.S. 194	A B, 1942, College of the City of			11
B.S. 1945. College of the City of New York Forrest, Herbert Emerson A.B. 1945. The George Washington University Fort. James Frazier Fortuney, Gorsdon A.B. 1942. University of Wisconsin Fortune, William Chaeles Foster, George Howard B.S. 1942. University of Wirginia Fowle, John Robert Fox. Edward Louis Fox. Lawrence A.B. 1944. Clark University M.S. 1945. Syracuse University Frank, Herbert Standish Frank, Royas, University of Wisconsin Frank, Robert Derlinger A.B. 1942. University of Wisconsin Frank, Robert Derlinger A.B. 1945. Coper Union Frank, Joseph Gardner A.B. 1945. The George Washington University Franklin, Jordan B.S. 1946. Clark University Franklin, Jordan B.S. 1946. Workster Polytechnic Institute Franklin, Joseph Gardner A.B. 1947. Massachusetts Institute of Technolosy Franzman, California at Los Angeles B.S. 1945. College of the City of New York Callf. N.Y. Gable, Robert Barth Gabletsa, Mary Jane A.B. 1947. Wellesley College Gail, William Albert B.S. 1946. College of the City of New York Va. Gale, Robert Barth Gabletsa, Mary Jane A.B. 1947. Wellesley College Gail, M.Y. Gales, Robert Barth Gabletsa, Mary Jane A.B. 1946. College of the City of New York Va. Gales, Robert Barth Gabletsa, Mary Jane A.B. 1947. Wellesley College Gailline, William Albert B.S. 1946. College of the City of New York Va. Gales, Robert Barth Gabletsa, Mary Jane A.B. 1947. Wellesley College Gail, William Albert B.S. 1946. College of the City of New York Va. B.S. 1946. College of the City of New York College Gailmine, Victor John L.L.B. 1941, Georgetown University Garder, Edith Rose A.B. 1942, University of California at Los Angeles Gardner, Spencer Delos Gardn	New York	21.21	Furber, M. Mred	
A.B. 1942. University of Wisconsin Fortune, William Charles Forter, George Howard B.S. 1942. University of Wisconsin Foster, George Howard B.S. 1942. University of Virginia Fowle, John Robert Pox. Lawrence A.B. 1944. Clark University M.S. 1945. Syracuse University Frank, Kitz Blair A.B. 1943. University of Wisconsin Frank, Robert Derlimer A.B. 1945. University of Wisconsin Frank, Robert Mendel B.S. 1945. University of California at Los Angeles Garden, Spenreer Delos Gardner A.B. 1947. Massachusetts Institute of Technolosy Frank, Kirk Blair A.B. 1947. Massachusetts Institute of Technolosy Frank, Kirk Blair A.B. 1947. Massachusetts Institute of Technolosy Frank, Kirk Blair A.B. 1947. Missachusetts Institute of Technolosy Frank, Kirk Blair A.B. 1948. University of College Gardner, Spenreer Delos Gardner A.B. 1947. Missachusetts Institute of Technolosy Frank, Kirk Blair A.B. 1948. University of College Gardner, Spenreer Delos Gardner Spenreer Delos Gareau, Charles Frederick B.S. 1947. Missachusetts Institute of Technolosy Frank, Kirk Blair A.B. 1948. University of College Gardner, Spenreer Delos Gardner Spenreer Delos Gareau, Charles Frederick B.S. 1948. University of College Gardner, Spenreer Delos Gareau, Charles Frederick B.S. 1949. University of Michigan Gardner, Spenreer Delos Gareau, Charles Frederick B.S. 1940. University of Michigan Gardner, Spenreer Delos Gareau, Charles Frederick B.S. 1940. U		N.Y.	Furst Howard Irang	
University Fost, lames Frazier Foster, George Washington A B 1912, University of Wisconsin Foster, George Howard B S 1913, United States Naval Academy Foster, Marson Julian B S 1943, University of Virginia Fowle, John Robert Fox, Lawrence A B, 1944, University Fram, Herbert Standish Frank, Kitty Blair A B, 1943, University of Wisconsin Frank, Robert Derlinger A B, 1943, University of Wisconsin Frank, Robert Derlinger A B, 1943, University of North Carolina B S, 1933, Brooklyn College B M.E. 1941, Cooper Union Franklin, Joseph Gardner A B, 1943, University of Wisconsin Franklin, Rufus Matteson B S, 1946, Worcester Polytechnic Institute Franklin, Joseph Gardner A B, 1943, University of Wisconsin Franklin, Rufus Matteson B S, 1946, Worcester Polytechnic Institute Franklin, Rufus Matteson B S, 1947, Missachusetts Institute of Technolosy Franzman, Carl Freedrick, Flet Henry Freedman, William B S, in M.E. 1945, Duke University Freedman, Robert Mendel B E E, 1944, College of the City of New York Gaillinois Gabletsa, Mary Jane A.B. 1948, University of University of Illinois Gail, William Albert D.C. Gail, William Albert B.S. 1948, University of Wisconsin Franklin, Rufus Matteson B S, 1943, University of North Carolina B S, 1945, Syracuse University Franklin, Rufus Matteson B S, 1946, Worcester Polytechnic Institute Franklin, Rufus Matteson B S, 1947, Missachusetts Institute of Technolosy Franzman, Carl Freedrick, Flet Henry Freedman, William B S, 1948, University of Michigan R S, 1947, Willespley College Gail, William Albert B S, in M.E. 1948, University of B S, in M.E. 1948, University of B S, in M.E. 1948, University of Conn. B S, 1941, George of the City of New York Galine, Morton Robert N.Y. Gardner, Edith Rose Gardner, Edith Rose Gardner, Edith Rose Gardner, Spenver Delos Gareau, Charles Frederick B S, in M.E. 1943, University Garder, Spenver Delos Gareau, Charles Frederick B S, in M.E. 1943, University of Michigan Mass. Mass. 1945, University of Michigan A B, 1947, University of Michigan Mich. A B, 1942, Univer			A R tota University of California	Carri.
University Fost, lames Frazier Foster, George Washington A B 1912, University of Wisconsin Foster, George Howard B S 1913, United States Naval Academy Foster, Marson Julian B S 1943, University of Virginia Fowle, John Robert Fox, Lawrence A B, 1944, University Fram, Herbert Standish Frank, Kitty Blair A B, 1943, University of Wisconsin Frank, Robert Derlinger A B, 1943, University of Wisconsin Frank, Robert Derlinger A B, 1943, University of North Carolina B S, 1933, Brooklyn College B M.E. 1941, Cooper Union Franklin, Joseph Gardner A B, 1943, University of Wisconsin Franklin, Rufus Matteson B S, 1946, Worcester Polytechnic Institute Franklin, Joseph Gardner A B, 1943, University of Wisconsin Franklin, Rufus Matteson B S, 1946, Worcester Polytechnic Institute Franklin, Rufus Matteson B S, 1947, Missachusetts Institute of Technolosy Franzman, Carl Freedrick, Flet Henry Freedman, William B S, in M.E. 1945, Duke University Freedman, Robert Mendel B E E, 1944, College of the City of New York Gaillinois Gabletsa, Mary Jane A.B. 1948, University of University of Illinois Gail, William Albert D.C. Gail, William Albert B.S. 1948, University of Wisconsin Franklin, Rufus Matteson B S, 1943, University of North Carolina B S, 1945, Syracuse University Franklin, Rufus Matteson B S, 1946, Worcester Polytechnic Institute Franklin, Rufus Matteson B S, 1947, Missachusetts Institute of Technolosy Franzman, Carl Freedrick, Flet Henry Freedman, William B S, 1948, University of Michigan R S, 1947, Willespley College Gail, William Albert B S, in M.E. 1948, University of B S, in M.E. 1948, University of B S, in M.E. 1948, University of Conn. B S, 1941, George of the City of New York Galine, Morton Robert N.Y. Gardner, Edith Rose Gardner, Edith Rose Gardner, Edith Rose Gardner, Spenver Delos Gareau, Charles Frederick B S, in M.E. 1943, University Garder, Spenver Delos Gareau, Charles Frederick B S, in M.E. 1943, University of Michigan Mass. Mass. 1945, University of Michigan A B, 1947, University of Michigan Mich. A B, 1942, Univer	New York	NV	at Los Angeles	
University Fort. lames Frazier Fortney, Gordon A B 1942. University of Wisconsin Fortney, William Charles Foster, George Howard B S 1942, University of Virginia Foster, Marion Julian B S 1942, University of Virginia Fowle, John Robert Fox. Lawrence A B 1943, University of Virginia Fox. Lawrence A B 1944, Clark University Frank, Kistsy Blair A B 1945, Syracuse University Frank, Kistsy Blair A B 1945, University of Wisconsin Frank, Robert Derlinger A B 1945, University of Wisconsin Frank Robert Derlinger A B 1945, University of North Carolina Frankle, Abraham B.S. 1946, College of the City D.C. Gable, Robert Barth Gabletsa, Mary Jame N.H. B.S. 1945, University of Wisconsin B.S. 1946, College of the City of New York Galinia, Victor John D.C. L.B. 1941, Georgetown University Gardner, Edith Rose A.B. 1943, University of Conn. B.S. 1945, University of North Carolina Franklin, Joseph Gardner A.B. 1947, Massachusetts Institute of Technolowy Franklin, Rufus Matteer Frant, Nicholas Diller Fredman, William B.S. 1947, Massachusetts Institute of Technolowy Franzman, Catl Walter Frant, Nicholas Diller Fredman, William B.S. 1947, University of Michigan B.S. 1948, Tranklin and Marshall College Garder, Edith Rose A.B. 1949, University Conn. B.S. 1941, University Conn. B.S. 1943, University Conn. B.S. 1943, The George Washington University Garder, Edith Rose A.B. 1947, University of Michigan Gardner, Spencer Delos	A B 1015 The George Washington	74.7	rutoran, Josef	N.Y.
Foster, George Howard B S 1942, University of Virginia Fowle, John Robert Fox. Edward Louis Fox. Lawrence A B 1943, University M.S 1945, Syracuse University Frank, Heibert Standish Frank, Kitsy Blair Frank, Kitsy Blair Frankel, Abraham B.S. 1943, University of Wisconsin Frank, Robert Derlinger A B 1943, University of Wisconsin Frank, Robert Derlinger A B 1943, University of North Carolina Franklin, Jordan B.S. 1945, University of North Carolina Franklin, Jordan B.S. 1946, Cooper Union Franklin, Jordan B.S. 1947, Massachusetts Institute of Technolosy Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolosy Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolosy Freedman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, University of Florida B.E.E. 1944, College of the City of New York Freedman, William B.S. in M.E. 1945, Duke University Freedman, William Thomas B.C. E. 1943, University of Florida Freer, Betty Stracham Va. B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, Duke University Freedman, William Thomas B.C. E. 1945, University of Florida Freer, Betty Stracham Va. B.S. in M.E. 1945, University of Michigan B.S. in M.E. 1945, Duke University B.S. in E.E. 1935, Drexel Institute Fla. B.S. in M.E. 1945, Duriversity of Rochester Garrot, Edward Joseph Gates, Walter Samuel N.Y. A.B. 1942, Centre College Gail, William Albert B.S. in M.E. 1948, University of B.S. in M.E. 1948, University B.S. in M.E. 1948, University of B.S. in M.E. 1948, University B.S. in M.E. 1948, Uni			B.S. 1935, M.S. 1936, College of the	
Fortune, William Charles Foster, George Howard B S 1942, University of Virginia Fowle, John Robert Fox. Edward Louis Fox. Lawrence A.B. 1944, Clark University A.B. 1945, Syracuse University Frank, Kitsy Blair Frankel, Abraham Frankel, Abraham Frankel, Abraham B.S. 1943, University of Wisconsin Frankel, Abraham B.S. 1945, University of North Carolina Frankel, Abraham B.S. 1945, University of North Carolina Frankel, Abraham B.S. 1945, University of North Carolina Frankel, Abraham B.S. 1946, Cooper Union Franklin, Jordan B.S. 1946, Cooper Union Franklin, Jordan B.S. 1946, Cooper Union Franklin, Jordan B.S. 1947, Massachusetts Institute of Technoloxy Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technoloxy Franklin, Rufus Matteson B.S. 1947, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, Duke University B.S. in K.E. 1948, University of Labet City Gallane, Morton Robert B.S. in M.E. 1948, University of N.Y. B.S. in M.E. 1948, University of Lillinois Gailane, Morton Robert B.S. in M.E. 1948, University of Lillinois Gailane, Morton Robert B.S. in M.E. 1948, University of Lillinois Gailane, Morton Robert B.S. in M.E. 1948, University of Lillinois Gailane, Morton Robert B.S. in M.E. 1948, University of Lillinois Gailane, Morton Robert B.S. in M.E. 1948, University Gallane, Morton Robert B.S. in M.E. 1948, University Gailane, Morton Robert B.S. in	Fort, James Frazier	Tenn.	City of New York	
A B 1932, University of Wisconsin Fortune, William Carolina B S 1942, United States Naval Academy Foster, Marion Julian B.S. 1942, University of Virginia Fowle, John Robert Fox, Lawrence A.B. 1944, Clark University M.S. 1945, Syracuse University Frahm, Herbert Standish Frank, Kitsy Blair A.B. 1943, University of Wisconsin Frank, Robert Derlinger A.B. 1944, University of North Carolina Franklin, Jordan B.S. 1945, Cooper Union Franklin, Jordan B.S. 1946, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Joseph Gardner A.B. 1948, University of North Carolina B.S. 1945, University of North Carolina B.S. 1945, University of North Carolina Franklin, Jordan B.S. 1945, University of North Carolina Franklin, Joseph Gardner A.B. 1948, University of Robert Barth N.C. Gablet, Robert Barth R.B. 1948, University of Illinois B.E.E. 1948, University of Illinois B.E.E. 1948, University of North Carolina B.S. 1948, University of Wisconsin Fals, N.Y. B.S. 1945, Syracuse University Gallane, Morton Robert B.S. 1946, College of the City of New York Gallinis, Victor John LL.B. 1948, University of Conn. B.S. 1941, Georgetown University Garden, Edith Rose A.B. 1948, University of Conn. B.S. 1943, University of North Carolina B.S. 1945, University of California at Los Angeles Garden, Spencer Delos Garden, Spencer Delos Garden, Spencer Delos Garden, Charles Frederick B.S. 1941, University of California at Los Angeles Garden, Spencer Delos Garden, Spencer Delos Garden, Chitherate B.S. 1941, University of California at Los Angeles Garden, Spencer Delos Garden, Spencer Delos Garden, Spencer Delos Garden, Spencer Delos Garden, Chriterian B.S. 1941, University of Mich. B.S. 1942, University of Mich. B.S. 1943, University of Mich. B.S. 1944, University of Mich. B.S. 1945, University of Mich. B.S. 1947, University of Mich. B.S. 1947, University of M	Fortney, Gordon	Va.		
Foster, George Howard B S 1942, United States Naval Academy Foster, Marion Julian B.S. 1949, University of Virginia Fowle, John Robert Fox. Edward Louis Fox. Edward Louis Fox. Lawrence A.B. 1944, Clark University M.S. 1945, Syracuse University Frank Kitsy Blair A.B. 1945, University of Wisconsin Frank Robert Derlinger A.B. 1945, University of Wisconsin Frank Robert Derlinger A.B. 1945, University of North Carolina Franklin, Jordan B.S. 1946, Viniversity of North Carolina Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technology Franklin, Sufus Matteson B.S. 1947, Massachusetts Institute of Technology Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technology Franklin, Sufus Matteson B.S. 1947, Massachusetts Institute of Technology Franklin, Rufus Matteson B.S. 1944, Clark University Freedman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, University of Florida Freer, Betty Strachan B.S. 1943, University of Rochester Gaile, Maley, Mary Jane A.B. 1947, Wellesley College Gail, William Albert B.S. in M.E. 1948, University of Rale Jak, University of Rale, 1948, University of Rale, 1949, University of Rale, 1949, University of Rale, 19	A B 1932, University of Wisconsin	N: 0		-
B.S. i ago. University of Virginia Fowle, John Robert Fox. Edward Louis Fox. Lawrence A.B. 1944, Clark University M.S. 1945, Syracuse University Frahm. Herbert Standish Frank. Kitty Blair A.B. 1948, University of Wisconsin Frank Robert Derlineer A.B. 1949, University of North Carolina Franklin, Jordan B.S. 1940, University of North Carolina Franklin, Jordan B.S. 1940, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, University of Mich. B.S. 1947, Massachusetts Institute of Technology Franzman, Carl Walter Franklin, Rifus Matteson B.S. 1947, Massachusetts Institute of Technology Franzman, Carl Walter Fredrick, Flet Henry Fredrick, Juliversity of Michigan N.C. B.S. 1948, University B.E.E. 1946, College of the City of New York Flet Henry Galnia, Victor John LL.B. 1941, Georgetown University Conn. B.S. 1940, University Galane, Morton Robert B.E.E. 1946, College of the City of New York Galinia, Victor John LL.B. 1941, Georgetown University Galane, Morton Robert B.E.E. 1946, Cullege of the City of New York Galinia, Victor John LL.B. 1941, Georgetown University Garden, Edith Rose A.B. 1945, University of California at Los Angeles Gardener, Edith Rose A.B. 1945, University Garrett, C. Donald B.S. 1940, University Garrett, Rufus Sanders, Jr. B.S. 1943, The George Washington University Garrett, Rufus S	Fortune, William Charles		Gable, Robert Barth	Pa.
B.S. i ago. University of Virginia Fowle, John Robert Fox. Edward Louis Fox. Lawrence A.B. 1944, Clark University M.S. 1945, Syracuse University Frahm. Herbert Standish Frank. Kitty Blair A.B. 1948, University of Wisconsin Frank Robert Derlineer A.B. 1949, University of North Carolina Franklin, Jordan B.S. 1940, University of North Carolina Franklin, Jordan B.S. 1940, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, University of Mich. B.S. 1947, Massachusetts Institute of Technology Franzman, Carl Walter Franklin, Rifus Matteson B.S. 1947, Massachusetts Institute of Technology Franzman, Carl Walter Fredrick, Flet Henry Fredrick, Juliversity of Michigan N.C. B.S. 1948, University B.E.E. 1946, College of the City of New York Flet Henry Galnia, Victor John LL.B. 1941, Georgetown University Conn. B.S. 1940, University Galane, Morton Robert B.E.E. 1946, College of the City of New York Galinia, Victor John LL.B. 1941, Georgetown University Galane, Morton Robert B.E.E. 1946, Cullege of the City of New York Galinia, Victor John LL.B. 1941, Georgetown University Garden, Edith Rose A.B. 1945, University of California at Los Angeles Gardener, Edith Rose A.B. 1945, University Garrett, C. Donald B.S. 1940, University Garrett, Rufus Sanders, Jr. B.S. 1943, The George Washington University Garrett, Rufus S	Poster, George Floward	.v.C.	Gabletsa, Mary Jane	N.11.
B.S. i ago. University of Virginia Fowle, John Robert Fox. Edward Louis Fox. Lawrence A.B. 1944, Clark University M.S. 1945, Syracuse University Frahm. Herbert Standish Frank. Kitty Blair A.B. 1948, University of Wisconsin Frank Robert Derlineer A.B. 1949, University of North Carolina Franklin, Jordan B.S. 1940, University of North Carolina Franklin, Jordan B.S. 1940, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, University of Mich. B.S. 1947, Massachusetts Institute of Technology Franzman, Carl Walter Franklin, Rifus Matteson B.S. 1947, Massachusetts Institute of Technology Franzman, Carl Walter Fredrick, Flet Henry Fredrick, Juliversity of Michigan N.C. B.S. 1948, University B.E.E. 1946, College of the City of New York Flet Henry Galnia, Victor John LL.B. 1941, Georgetown University Conn. B.S. 1940, University Galane, Morton Robert B.E.E. 1946, College of the City of New York Galinia, Victor John LL.B. 1941, Georgetown University Galane, Morton Robert B.E.E. 1946, Cullege of the City of New York Galinia, Victor John LL.B. 1941, Georgetown University Garden, Edith Rose A.B. 1945, University of California at Los Angeles Gardener, Edith Rose A.B. 1945, University Garrett, C. Donald B.S. 1940, University Garrett, Rufus Sanders, Jr. B.S. 1943, The George Washington University Garrett, Rufus S	Acriemy		Cail William Albert	Va
Fox. Lawrence A.B. 1944, Clark University M.S. 1945, Syracuse University Frahm. Herbert Standish Frank Robert Derlinger A.B. 1945, University of Wisconsin Frank Robert Derlinger A.B. 1945, University of North Carolina Franklin, Jordan B.S. 1945, Cooper Union Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolossy Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, University of Florida French, William Thomas B.C.B.E. 1944, College of the City of New York Flatinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of Scholes of Robert B.S. 1946, Villege of Scholes of Robert B.S. 1945, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University Garder, Edith Rose A.B. 1943, University Gardner, Edith Rose A.B. 1943, University Gardner, Edith Rose A.B. 1943, University Garder, Edith Rose A.B. 1943, University Gardner, Edith Rose A.	Foster Marion Iulian	Va.	R.S. in M.E. 1048. University of	V 00.
Fox. Lawrence A.B. 1944, Clark University M.S. 1945, Syracuse University Frahm. Herbert Standish Frank Robert Derlinger A.B. 1945, University of Wisconsin Frank Robert Derlinger A.B. 1945, University of North Carolina Franklin, Jordan B.S. 1945, Cooper Union Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolossy Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, University of Florida French, William Thomas B.C.B.E. 1944, College of the City of New York Flatinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of Scholes of Robert B.S. 1946, Villege of Scholes of Robert B.S. 1945, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University Garder, Edith Rose A.B. 1943, University Gardner, Edith Rose A.B. 1943, University Gardner, Edith Rose A.B. 1943, University Garder, Edith Rose A.B. 1943, University Gardner, Edith Rose A.	B.S. 1 49. University of Virginia		Illinois	
Fox. Lawrence A.B. 1944, Clark University M.S. 1945, Syracuse University Frahm. Herbert Standish Frank Robert Derlinger A.B. 1945, University of Wisconsin Frank Robert Derlinger A.B. 1945, University of North Carolina Franklin, Jordan B.S. 1945, Cooper Union Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolossy Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, University of Florida French, William Thomas B.C.B.E. 1944, College of the City of New York Flatinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of the City of New York Galinis, Victor John L.B. 1946, Villege of Scholes of Robert B.S. 1946, Villege of Scholes of Robert B.S. 1945, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University of California at Los Auseles Gardner, Edith Rose A.B. 1943, University Garder, Edith Rose A.B. 1943, University Gardner, Edith Rose A.B. 1943, University Gardner, Edith Rose A.B. 1943, University Garder, Edith Rose A.B. 1943, University Gardner, Edith Rose A.	Fowle, John Robert		Gainey, Bartus Allen	D.C.
A.B. 1945, Syracuse University Frahm. Heibert Standish Frank. Kitty Blair A.B. 1943, University of Wisconsin Frank. Robert Derlinger A.B. 1945, University of North Carolina Franklei, Abraham B.S. 1945, University of North Carolina Franklin, Jordan B.S. 1946, Coper Union Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technology Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technology Franklin, Strius Matteson B.S. 1947, Massachusetts Institute of Technology Franklin, Rufus Matteson B.S. 1946, University Franklin, Sufus Matteson B.S. 1947, Massachusetts Institute of Technology Franklin, Rufus Matteson B.S. 1947, University Franklin, Rufus Matteson B.S. 1947, University of Michigan N.C. B.S. 1946, United States Military Academy Garris, Jusk J. Okla. A.B. 1947, University of Michigan N.C. B.S. 1944, College of the City of New York Franklini, Victor John LL.B. 1941, Georgetown University Galinia, Victor John LL.B. 1941, Georgetown University Galysh, Theodore Richard B.S. 1945, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Spencer Delos Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943, University of California at Los Auseeles Gardner, Edith Rose A.B. 1943	Fox. Edward Louis	Okla.	Galane, Morton Robert	N.Y.
M.S. 1945, Syracuse University Frank, Kitty Blair A B. 1943, University of Wisconsin Frank, Robert Derlinger A.B. 1943, University of North Carolina Frankel, Abraham B.S. 1945, University of North Carolina Franklin, Jordan B.S. 1946, The George Union Franklin, Jordan B.S. 1946, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolosy Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolosy Franklin, Seph Gardner A.B. 1946, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolosy Franklin, Rufus Matteson B.S. 1947, University of Michigan Frank, Kelty Hellery Freedman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, University of Florida Freer, Betty Strachan B.C. L. 1943, University of Florida Freer, Betty Strachan		N.Y.	B.E.E. 1946, College of the City	
Frank Robert Standish Frank Robert Derlinger A.B. 1945, University of Wisconsin Frank Robert Derlinger A.B. 1945, University of North Carolina Frankel, Abraham B.S. 1935, Brooklyn College B.M.E. 1945, Cooper Union Franklin, Jordan B.S. 1946, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolomy Franzaman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, University of Florida Freed, Betty Strachana D.C. Galysh, Theodore Richard B.S. 1946, Villanova College Gardner, Edith Rose A.B. 1943, University of California at Loa Angeles Gardner, Robiert Deolos Gardner, Edith Rose A.B. 1943, University of California at Loa Angeles Washington University Garler, Carl Walter Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, Rufus Sanders, Jr. B.S. 1946, University of Michigan N.C. B.S. 1947, University of Michigan N.C. Garron, Edward Joseph Garter, Edith Rose A.B. 1948, Viralis Rose Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military A.B. 1947, University of Michigan N.C. Garron, Edward Joseph Garrett, Rufus Sanders, Jr. B.S. 1946, University of Michigan N.C. Garron, Edward Joseph Garrett, Rufus Sanders, Jr. B.S. 1946, University of Michigan N.C. Garron, Edward Joseph Garrett, Rufus Sanders, Jr. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, University of Michigan N.C. Garrett, Rufus Sanders, Jr. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, University of Michigan N.C. Garrett, Rufus Sanders, Jr. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, Rufus Sa	A.B. 1944, Clark University		of New York	21.27
Frank Robert Derlinger A.B. 1949. University of North Carolina Frankel, Abraham Frankel, Abraham B.S. 1933, Brooklyn College B.M.E. 1944. Cooper Union Franklin, Jordan B.S. 1933, Brooklyn College B.M.E. 1945, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947. Massachusetts Institute of Technolosy Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. 1943, Duke University Fredman, William B.S. 1945, Puke University Freedman, Robert Mendel B.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1945, University of Florida Freret, Betty Strachan D.C. B.S. 1940, Vilanove A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Spencer Delos Gardner, Calith Rose A.B. 1943, University of Mich. B.S. 1943, The George Was	Frahm Harbert Standish	DC	Galinis, Victor John	IN.Y.
Frank Robert Derlinger A.B. 1949. University of North Carolina Frankel, Abraham Frankel, Abraham B.S. 1933, Brooklyn College B.M.E. 1944. Cooper Union Franklin, Jordan B.S. 1933, Brooklyn College B.M.E. 1945, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947. Massachusetts Institute of Technolosy Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. 1943, Duke University Fredman, William B.S. 1945, Puke University Freedman, Robert Mendel B.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1945, University of Florida Freret, Betty Strachan D.C. B.S. 1940, Vilanove A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Edith Rose A.B. 1943, University of California at Los Angeles Gardner, Spencer Delos Gardner, Calith Rose A.B. 1943, University of Mich. B.S. 1943, The George Was	Frank Kitty Blair		Calual Thomas Disheed	Conn
Frank Robert Derlinger A.B. 1945, University of North Carolina Frankel, Abraham B.S. 1933, Brooklyn College B.M.E. 1945, Cooper Union Franklin, Jordan B.S. 1946, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technology Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. in M.E. 1946, Duke University Freedman, William B.S. in M.E. 1946, University of Rocketter Fredrick, Flet Henry Freedman, William B.S. in M.E. 1946, University Garrett, C. Donald B.S. 1947, Massachusetts Institute of Technology Freedman, William B.S. in M.E. 1946, University Garrett, Rufus Sanders, Jr. B.S. 1947, University of Michigan N.C. A.B. 1947, University of Michigan N.C. A.B. 1947, University of Michigan N.C. A.B. 1948, Walter Samuel N.Y. B.E.E. 1944, College of the City of New York French, William Thomas B.C. E. 1945, University of Florida Freret, Betty Strachan	AB 1943. University of Wisconsin	2.0.	RS 1046 Villanova College	Conn.
A.B. 1945, University of North Carolina Frankel, Abraham B.S. 1943, Brooklyn College B.M.E. 1944, Cooper Union Franklin, Jordan B.S. 1946, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolosy Franzman, Carl Walter Fratt, Nicholas Diller Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. 1944, College of the City of New York French, William Thomas B.Ch.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1945, University of Florida Freret, Betty Strachan A.B. 1943, University of California at Loa Angeles Gardner, Aprencer Delos Gareau, Charles Frederick Mass. B.S. in M.E. 1940, The George Washington University Garlet, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1946, United States Military Academy Garis, Juck J. A.B. 1942, University of Michigan Not. A.B. 1942, University of Michigan Not. A.B. 1943, University of California at Loa Angeles Gardner, Spencer Delos Gareau, Charles Frederick B.S. in M.E. 1943, The George Washington University Garrett, C. Donald B.S. 1945, Tuniversity Garrett, Rufus Sanders, Jr. B.S. 1946, University of Michigan Not. A.B. 1949, University of California at Loa Angeles Washington University Garrett, C. Donald B.S. 1945, The George Washington University Garrett, C. Donald B.S. 1945, University Garrett, C. Donald B.S. 1946, United States Military Academy A	Frank, Robert Derlinger	D.C.		Va
Frankel, New York French, William Thomas B.S. 1943, Brooklyn College B.M.E. 1943, Droper Union Franklin, Jordan B.S. 1945, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technolomy Franklin, Nature Okla B.S. 1948, The George Washington University Garrett, C. Donald B.S. 1943, Franklin and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jusk J. A.B. 1948, University of Michigan N.C. Garro, Edward Joseph Gates, Walter Samuel A.B. 1942, Centre College Gauet, Richard Austin N.C. Garro, Edward Joseph Gates, Walter Samuel A.B. 1942, Centre College Gauet, Richard Austin B.S. 1943, University of Rochester Gaughan, Vincent Michael N.Y. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, University of Michigan Garro, Edward Joseph Gates, Walter Samuel A.B. 1942, Centre College Gauet, Richard Austin B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, University of Michigan Garrett, Rufus Sanders, Jr. B.S. 1946, University of Michigan Gartet, Rufus Sanders, Jr. B.S. 1946, University of Michigan Gartes, Jude J. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jude J. B.S. 1946, University of Michigan Garrett, Rufus Sanders, Jr. B.S. 1946, University of Michigan Garrett, Rufus Sanders, Jr. B.S. 1946, University of Michigan Garrett, Rufus Sanders, Jr. B.S. 1946, University of Michigan Garrett, Rufus Sanders, Jr. B.S. 1946, University of Michigan Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The	A.B 1940, University of North			
B.S. 1933, Brooklyn College B.M.E. 1941, Cooper Union Franklin, Jordan B.S. 1940, Worcester Polytechnic Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technology Franzman, Carl Walter Frett, Nicholas Diller Frett, Nicholas Diller Fredrick, Flet Henry B.S. 1944, College of the City of New York French, William Thomas B.C.E. 1944, College of the City of New York French, William Thomas B.C.E. 1945, University of Florida Freret, Betty Strachan Garau, Charles Frederick B.S. in M.E. 1030, The George Washington University Garlock, Edward Allen B.S. 1943, Franklin and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jusk J. A.B. 1946, University of Michigan Garro, Edward Joseph Gates, Walter Samuel A.B. 1942, Centre College Gaudet, Richard Austin B.S. 1947, University of Rochester Gaughan, Vincent Michael N.Y. B.S. 1948, In George Washington University Garlock, Edward Allen B.S. 1943, Franklin and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jusk J. B.S. 1947, University of Michigan Gareau, Charles Frederick B.S. in M.E. 1030, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington University Garlock, Edward Allen B.S. 1943, The George Washington Univer			at Los Angeles	
Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947. Massachusetts Institute of Technolosy Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. 1945, Duke University Freedman, Robert Mendel B.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1945, University of Florida Freret, Betty Strachan Md. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1947, Franklin and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jusk J. A.B. 1947, University of Michigan Nev. Gares, Walter Samuel Ky. B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1943, University of Rochester Gaughan, Vincent Michael N.Y. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, United States Military Academy Garris, Jusk J. A.B. 1947, University of Michigan Nev. Garet, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jusk J. A.B. 1947, University of Rochester Gaughan, Vincent Michael N.Y. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, University Garrett, C. Donald B.S. 1945, The George Washington University Garrett, C. Donald B.S. 1945, University Garrett, C. Donald B.S. 1946, United States Military Academy Garrot, Dués, Dués des Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garrot, Dués de Garrett, Rufus Sanders, Jr. B.S. 1946, United	Frankel, Abraham	N.Y.	Gardner, Spencer Delos	Mich.
Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947. Massachusetts Institute of Technolosy Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. 1945, Duke University Freedman, Robert Mendel B.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1945, University of Florida Freret, Betty Strachan Md. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1947, Franklin and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jusk J. A.B. 1947, University of Michigan Nev. Gares, Walter Samuel Ky. B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1943, University of Rochester Gaughan, Vincent Michael N.Y. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, United States Military Academy Garris, Jusk J. A.B. 1947, University of Michigan Nev. Garet, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jusk J. A.B. 1947, University of Rochester Gaughan, Vincent Michael N.Y. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, University Garrett, C. Donald B.S. 1945, The George Washington University Garrett, C. Donald B.S. 1945, University Garrett, C. Donald B.S. 1946, United States Military Academy Garrot, Dués, Dués des Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garrot, Dués de Garrett, Rufus Sanders, Jr. B.S. 1946, United	B.S. 1933, Brooklyn College			Mass.
Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947. Massachusetts Institute of Technolosy Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Fredman, William B.S. 1945, Duke University Freedman, Robert Mendel B.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1945, University of Florida Freret, Betty Strachan Md. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1947, Franklin and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jusk J. A.B. 1947, University of Michigan Nev. Gares, Walter Samuel Ky. B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1943, University of Rochester Gaughan, Vincent Michael N.Y. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, United States Military Academy Garris, Jusk J. A.B. 1947, University of Michigan Nev. Garet, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jusk J. A.B. 1947, University of Rochester Gaughan, Vincent Michael N.Y. B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1943, University Garrett, C. Donald B.S. 1945, The George Washington University Garrett, C. Donald B.S. 1945, University Garrett, C. Donald B.S. 1946, United States Military Academy Garrot, Dués, Dués des Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garrot, Dués de Garrett, Rufus Sanders, Jr. B.S. 1946, United	B.M.E. 1941, Cooper Union	14	B.S. in M.E. 1010. The George	
Institute Franklin, Joseph Gardner A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technology Franzman, Carl Walter Frant, Nicholas Diller Fredrick, Flet Henry Freedman, William B.S. in M.E. 1945, Duke University Freedman, Robert Mendel B.S. in M.E. 1945, Duke University Freedman, Robert Mendel B.S. in M.E. 1945, University of Rockester Freed, William Thomas B.C.B. 1943, University of Florida Freret, Betty Strachan B.S. 1943, The George Washington University Garrett, C. Donald B.S. 1945, Franklin and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military A.B. 1947, University of Michigan N.C. Garrot, Rufus Sanders, Jr. B.S. 1946, United States Military A.B. 1947, University of Michigan N.C. Garrot, Rufus Sanders, Jr. B.S. 1946, The George Washington University Garrett, C. Donald B.S. 1947, University A.B. 1948, The George Washington University Garrett, C. Donald B.S. 1948, The George Washington University Garrett, C. Donald B.S. 1948, The George Washington University Garrett, C. Donald B.S. 1948, The George Washington University Garrett, C. Donald B.S. 1948, The George Washington University Garrett, C. Donald B.S. 1948, The George Washington University Garrett, C. Donald B.S. 1948, The George Washington University Garrett, C. Donald B.S. 1948, University Garrett, Rufus Sanders, Jr. B.S. 1948, University Garrett, C. Donald B.S. 1948, University Garrett, C. Donald B.S. 1948, University Garrett, Rufus Sanders, Jr. B.S. 1948, University Garrett, Rufu	RS 1046 Worcester Polytechnic	IVIABS.		2//
A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1947, Massachusetts Institute of Technology Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry Freedman, William B.S. 1945, Duke University Freeman, Robert Mendel B.E. 1945, Duke University Freeman, Robert Mendel B.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1943, University of Florida Freret, Betty Strachan University Garrett, C. Donald B.S. 1941, Franklin and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Academy Garris, Jake J. Garris, C. Donald B.S. 1943, University of Michigan A.B. 1947, University of Michigan Nev. Gates, Walter Samuel Ky. A.B. 1942, Centre College Gaudet, Richard Austin B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1947, University of Rochester Gaughan, Vincent Michael N.Y. B.S. 1948, In 1945, David Michigan Nev. Gates, Walter Samuel Ky. A.B. 1948, In 1945, David Michigan Nev. Gates, Walter Samuel Ky. A.B. 1947, University of Michigan Nev. Gates, Walter Samuel Ky. A.B. 1948, In 1947, University of Michigan Nev. Gates, Walter Samuel N.Y. B.S. 1946, United States Military Academy			D.C. The Course West instance	MIG.
A.B. 1948, The George Washington University Franklin, Rufus Matteson B.S. 1941, Franklin and Marshall College Garrett, C. Donald B.S. 1941, Franklin and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Garris, Jusk J. A.B. 1947, University of Michigan N.C. B.S. 1944, College of the City of New York French, William Thomas B.C.B.E. 1944, College of the City of New York French, William Thomas B.C.B.E. 1945, University of Florida Freret, Besanders, Jr. B.S. 1946, University of Michigan New. Gares, Walter Samuel N.Y. B.S. 1947, University of Michigan New. Gares, Walter Samuel N.Y. B.S. 1948, University of Rochester Gaughan, Vincent Michael Gauss, Arthur B.S. 1948, In and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, University of Michigan New. Gares, Walter Samuel N.Y. B.S. 1947, University of Michigan New. Gares, Walter Samuel N.Y. B.S. 1946, University of Michigan New. Gares, Walter Samuel N.Y. B.S. 1946, University of Michigan New. Garest, Lufus, Luf		Md	D.S. 1943, The George Washington	
University Franklin, Rufus Matteson B.N. 1947. Massachusetts Institute of Technology Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry B.S. in M.E. 1945, Duke University Freedman, William B.S. in M.E. 1945, Duke University Freeman, Robert Mendel B.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1943, University of Florida Freret, Betty Strachan B.S. 1941, Franklin and Marshall College Garrett, Rufus Sanders, Jr. B.S. 1946, United States Military Academy Aca	A.B. 1948, The George Washington			Va
B.S. 1947. Massachusetts Institute of Technoloxy Franzman, Carl Walter Fratt, Nicholas Diller Fredrick, Flet Henry B.S. in M.E. 1945, Duke University Freedman, Robert Mendel B.E.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1945, University of Florida Freret, Betty Strachan	University		B.S. 1011. Franklin and Marshall	
B.S. 1947. Massachusetts Institute of Technology Franzman, Carl Walter Fratt. Nicholas Diller Fredrick, Flet Henry Freedman, William B.S. in M.E. 1945, Duke University Freedman, Robert Mendel B.E.E. 1944, College of the City of New York French, William Thomas B.C.B.E. 1945, University of Florida Freret, Rufus Sanders, Jr. B.S. 1946. United States Military A.B. 1947. University of Michigan N.C. Garrot, Rufus Sanders, Jr. B.S. 1946. United States Military A.B. 1947. University of Michigan Nev. Garro, Edward Joseph Gates, Walter Samuel N.Y. B.S. 1946. University of Michigan Nev. Garrot, Rufus Sanders, Jr. B.S. 1946. United States Military A.B. 1947. University of Michigan Nev. Garrot, Rufus Sanders, Jr. B.S. 1946. United States Military A.B. 1947. University of Michigan Nev. Garro, Edward Joseph Gates, Walter Samuel Nov. B.S. 1946. United States Military A.B. 1947. University of Michigan Nev. Garro, Edward Joseph Gates, Walter Samuel Nov. B.S. 1946. United States Military A.B. 1947. University of Michigan Nev. Garro, Edward Joseph Gates, Walter Samuel Nov. B.S. 1947. University of Michigan Nov. B.S. 1946. United States Military A.B. 1947. University of Michigan Nov. B.S. 1947. University of Michigan Nov. B.S. 1946. United States Military A.B. 1947. University of Michigan Nov. B.S. 1947. University of M	Franklin, Rufus Matteson	R.I.		
Frankman, Carl Walter Fratt. Nicholas Diller Fredrick, Flet Henry B.S. in M.E. 1945, Duke University Freedman, Robert Mendel B.E. 1944, College of the City of New York French, William Thomas B.C.h.E. 1945, University of Florida Freret, Betty Strachan Academy Garris, Juk J. A.B. 1947, University of Michigan Nev. Garro, Edward Joseph A.B. 1942, Centre College Gaudet, Richard Austin B.S. 1942, University of Rochester Gares, Walter Samuel Ky. Mass. B.S. 1942, Cartre College Gaudet, Richard Austin B.S. 1942, Tuniversity of Rochester Gaughan, Vincent Michael N.Y. B.S. in E.E. 1933, Drexel Institute.	B.S. 1947. Massachusetts Institute of			Tex.
Fredrick, Flet Heury Freedman, William B.S. in M.E. 1945, Duke University Freeman, Robert Mendel B.E.E. 1944, College of the City of New York French, William Thomas B.C.h.E. 1943, University of Florida Freret, Betty Strachan D.C. Garris, Jack J. A.B. 1947, University of Michigan N.V. Garro, Edward Joseph Cates, Walter Samuel N.Y. A.B. 1947, University of Rochester Gaughan, Vincent Michael Gauss, Arthur B.S. in E.E. 1933, Drexel Institute. Mich. Nev. Cates, Walter Samuel N.Y. B.S. 1047, University of Rochester Gaughan, Vincent Michael Gauss, Arthur B.S. in E.E. 1933, Drexel Institute.	Technology	9.2		
Freedman, William B.S. in M.E. 1945, Duke University Freeman, Robert Mendel B.E.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1943, University of Florida Freret, Betty Strachan Okla. A.B. 1947, University of Michigan N.C. Garo. Edward Joseph Nev. Ky. A.B. 1942, Centre College Gaudet, Richard Austin B.S. 1947, University of Rochester Gaughan, Vincent Michael N.Y. B.S. in E.E. 1933, Drexel Institute.	Franzmin, Carl Walter	Va.		
B.S. in M.E. 1945, Duke University Freeman, Robert Mendel B.E.E. 1944, College of the City of New York French, William Thomas B.Ch.E. 1943, University of Florida Freret, Betty Strachan N.Y. Garro, Edward Joseph (A.B., 1942, Centre College Gaudet, Richard Austin B.S. 1942, Contre College Gaudet, Richard Austin Gauss, Arthur B.S. 1945, Drexel Institute N.Y. B.S. 10 Seph Gates, Walter Samuel N.Y. Gates, Walter Samuel N.Y. B.S. 10 1945, Drexel Mass. N.Y. B.S. 10 1945, Drexel Institute	Frank Flet Henry	Ohlo.	Garris, Jack J.	Mich.
Freman, Robert Mendel B.E. 1942, Centre College Gaudet, Richard Austin B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1943, University of Rochester Gaughan, Vincent Michael N.Y. Gauss, Arthur B.S. in E.E. 1933, Drexel Institute	Freedman William	N.C.	A.B. 1947, University of Michigan	D.T.
Freman, Robert Mendel B.E. 1942, Centre College Gaudet, Richard Austin B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1942, Centre College Gaudet, Richard Austin B.S. 1943, University of Rochester Gaughan, Vincent Michael N.Y. Gauss, Arthur B.S. in E.E. 1933, Drexel Institute	RS in M.E. 1048 Duke University	14.0.	Carro, Edward Joseph	
New York French, William Thomas B.Ch.E. 1943, University of Florida Freret, Betty Strachan Mass. Gaudet, Richard Austin B.S. 1947, University of Rochester Gaughan, Vincent Michael Gauss, Arthur B.S. in E.E. 1933, Drexel Institute.	Freeman, Robert Mendel	NY	A R 1042 Centre College	My.
French, William Thomas B.Ch.E. 1943, University of Florida Frenct, Betty Strachan Fla. Gaughan, Vincent Michael N.Y. Gauss, Arthur Md. B.S. in E.E. 1933, Drexel Institute	B.E.E. 1944, College of the City of		Gaudet. Richard Austin	Mass
French, William Thomas B.Ch.E. 1943, University of Florida Frenct, Betty Strachan Fla. Gaughan, Vincent Michael N.Y. Gauss, Arthur Md. B.S. in E.E. 1933, Drexel Institute	New York		B.S. 1947, University of Rochester	
B.Ch.E. 1943, University of Florida Freret, Betty Strachan Va. Gauss, Arthur B.S. in E.E. 1933, Drexel Institute	French, William Thomas	Fla.	Gaughan, Vincent Michael	N.Y.
Freret, Betty Strachan Va. B.S. in E.E. 1933, Drexel Institute	B.Ch.E. 1943, University of Florida		Gauss, Arthur	Md.
B.B.A. 1942, Iulane University of Technology	Freret, Betty Strachan	Va.	B.S. in E.E. 1933, Drexel Institute	В.
	B.B.A. 1942, Tulane University		of Technology	

Gearheart, Ernest Theodore, Jr.	Va.	Goodpasture, Maurice Carroll	Tex.
A.B. 1016, University of Richmond Geissler, Harry Conrad	N.J.	A.B. 1941, Texas Technological College	
Gelak, Bernard Andrew	N.Y.	Goodwin, Thomas Addison	W.Va.
B.S. in E.E. 1947. Syracuse		A.B. 1042, Washington and Jefferson	
University		College	
Gemza, Theodore Anthony	Conn.	Goodwyn, Jean Bundy	Maine
George, George Ezekiel	D.C.	A B 1946, College of William and	
A.B. 1943. Harvard University		Mary	
LL.B. 1948. The George Washington University		Gordon, Francis Guthrie	Va.
Gerhardt, Robert Bernard	III.	Gordon, Herbert Stephan	Ind.
B.S. in M.E. 1947, Northeastern	All.	A.B. 1947, Indiana University	-
University		Gordon, Raymond Joseph	DC.
Germas, Demosthenes James	D.C.	BS, 1948, Georgetown University	D.C.
Giangreco, Angelo Andrew	N.Y.	Gordon, Robert N. A.B. 1948, University of Buffalo	DC.
Gibbs, David Parker	Va.	Gordon, Thomas Cooper	Va.
B.S. 1933, United States Military		Goren, Howard J.	Md.
Academy		Gorrin, Gerald Malvin	N.J.
Gibbs, Richard DeArmond	D.C.	Gottshall, William Holt	D.C.
A.B. 1947. The George Washington		A.B. 1948, Allegheny College	17.0.
University Cibbs Palson Samuel	N.Y.	Gourley, Roy George	Pa.
Gibbs, Robert Stewart. Gibson, John M.	Pa.	BS, 1948, University of Alabama	
BS 1014 Washington and lefferson		Graham, Jack Eugene	Iowa
B S. 1934, Washington and Jefferson		BS 1948, Simpson College	
Gifford, Yale Wesley	Kans.	Graham, Robert Albary	Tex.
A.B. 1947. The George Washington		Gralnick, Paul Philip	N.Y.
University		A.B. 1919, Brooklyn College	
Gilbert, Milton Edwin	D.C.	Grammer, David Allen, Jr.	N.M.
B.M.E. 1948, College of the City of New York		BBA 194". University of Texas Grass, Louis William	2.0
Gilfix, Roy Hart	200	B.S. 1944, M. ssouri School of Mines	Mo.
B.S. 1944, University of Maryland	D.C.	and Metallurgy	
Gilmore, Frank Peter	III.	Grasso, Michael	N.J.
B S 1927, M D, 1929, Loyola	414.	BS 1946, Bucknell University	****
University		Gravatte, Robert Howerton, Ir.	DC.
Gingell, Robert Arthur	M/A.	A.B. 1943, LL.B. 1947, University	
A B 1948. The George Washington		of Virginia	
University		Gray, Daniel William	D.C.
Ginsberg, Albert Gittings, Thomas Morton, Jr.	N.Y.	Gray, John Allan	N.J.
Gittings, Thomas Morton, Jr.	Md.	Grav. Louis Pitrick B.S. 1940, United States Naval	Tex.
Glasgow, Norman Milton	Md.	D.S. 1945, United States Naval	
LL.B 1943. University of Maryland	711	Academy Grapharl John Olin	2271
Glasgow, Richard Ellsworth A.B 1948, Bradley Polytechnic	III.	Gravbeal, John Olin B.S. 1941, College of Puget Sound	Wash.
Institute		Green, Harold Hoadly, Jr.	Ohio
Glidden, William Townsend	Mass.	B.S. in E. E. 1947. Purdue Universit	(11110)
A.B. 1944. Yale University	11100.	Green, Richard Etter	D.C.
Glowicki, John Henry	Pa.	A.B 1947. The George Washington	27.0.
Goeliberg, Lawrence	Conn.	University	
Goding, Maurice Willred	Alaska	Green, Robert A.	MJ.
A.B. 1913, Yankton College		A.B. 1042, Clark University B.S. in E.E. 1948, University of	
Goewey, Bruce Anderson	Mass.	B.S. in E.E. 1948, University of	
A.B. 1942, Colgate University		Michigan	5 0
Goldman, Alfred Merton	D.C.	Green, Samuel	DC.
Gol Iman, Samuel Zachary	D.C.	Greenberg, Mack Kenneth	Mass.
Goldsand, Ronald Howard	NY.	Greenberg Sidney	14
Gol Isborough, George Toseph, Ir. B S 1947, United States Military	Md.	BS 1942, Massachusetts State College	Mass
B S 1947, United States Military		Greene, Gale Kensataron	
Academy	D.C.	Greenwald Rabert Frederick	Conn. Tex.
Goldstein, Benjamin	D.C.	Greeve, Gerald Joseph	Pa.
B.S. 1911, M.B.A. 1912, College of the City of New York		AB 1928, Georgetown Unimersity	2 d.
Good, Charles Lloyd	Md.	AB 1928, Georgetown University LL.B. 1931, University of	
B.S. in Ch.E. 1942, Purdue	******	Pennsylvan a	
University		Gregg, James Calvin	Pa.
Goodman, Thomas A.	N.Y.	Grenadier, Albert Harold	Va.
B.S. 1017, State Teachers College, Buffalo, N.Y.		A.B. 1949. The George Washington	
Buffalo, N.Y.		University	-
A.M. 1939, Columbia University		Grier, Harold Thomas	D.C.

Griffith, Eugene Everett	Tenn.	Happick, Richard Jay	N.Y.
A.B. 1927. The George Washington		BMF. 1948, Syracuse University	D.C.
University A.M. 1027 Columbia University		Harbaugh, George Harold	D.C.
A.M. 1037. Columbia University Grobman, William	N.J.	A.B. 1948, Ratgers University Hardin, Dale Wayne	111.
B 5 IN E.E. 1944, Rutkers Oniversit	V	Hare, Robert Hayne	S.C.
Gross, William, Ir.	Wis.	A.P. 1931, Newberry College	
A.B 1949, The George Washington		LL B 1935, University of South	
Crave Jose Barrett Ir	Va.	Carolina Hargesheimer, Halbert Vincent	D.C.
Grove, Jesse Barrett, Jr. B.S. 1939, Virginia Polytechnic	v m.	Harey, Francis Robert	Md.
Institute		A.B 1948. The George Washington	
Grumling, Albert John	Pa.	(n.versity	DC
Guerra, Altonso Angel	Tex.	Harmon, Robert Brooks	D.C.
Guimond, Joseph Alexandre	Ohio	B.S. 1941, University of Maryland Harper, Lawrence Mervin	Pa.
A B 1931, LL.B. 1933, Western Reserve University		A.B. 1942, Pennsylvania State	
Gulko, Arnold George	N.Y.	College	
B.Ch.E. 1947. New York University		Harper, Richard Howard	W.Va.
11		Harrington, Joseph Michael	Iowa
		A.B. 1944, State University of Iowa LL.B. 1947. The George Washington	
Haberman, David Isidore	Md.	University	
Haefele, Carlton Walthert	Va.	Harris, Chancellor Elwood	Va.
B.S. 1942, Case Institute of Technology		B.S. 1934. University of Kentucky	DC
Hagan, William T.	Mich.	Harris, John Alfred	D.C.
Ph.B. 1942, University of Detroit	011	B.S. 1946, University of Illinois Harris, Richard Carl	Iowa
Hagle, Altred Darius	Okla.	B.S. 1947. Iowa State College of	
A.B. in Ed. 1947, Central State College		Agriculture and Mechanic Arts	
Hardt Harold	N.Y.	Harris, Shirley A.B. 1944, Wellesley College Harrison, Byron Edward	Va.
BS. in Ch E. 1947, Purdue University		Harrison Buren Edward	D.C.
University	W.Va.	Harrison, Byron Edward Harrison, Haldon Roberts	Va.
Flall, Joseph Earl	W.Va. Fla.	A.B. 1947. The George Washington	
Hallberg, Ernest Van A.B. 1942, University of Florida		University	
Hamby, John Gordon B.M.E. 1947, University of Kentuck Hamilton, Lloyd William A.B. 1948, The George Washington	Ky.	Hart, Seward Lyman	S.D.
B.M.E. 1947, University of Kentuck	ky	A.B. 1018, Yankton College Hart, Wilson Ritter	N.M.
Hamilton, Lloyd William	D.C.	A.B. 1942. University of New Mexic	
A.B. 1948, The George Washington University		Hartman, Charles Clifford, Jr.	Calif.
Hamilton, Pat Ray	W.Va.	Harvey, Robert Henry	D.C.
Hamilton, Roger Kirkpatrick	Tenn.	A.B. 1948, The George Washington	
Hamlin, Alan Holden	Fla.	University Haskell, Boris	Mass.
Hammarstrom, Everett John	Mass.	A.B. 1944. Harvard University	IVENDO.
A.B. 1947, Clark University Hammer, David Edwin	III.	Hattis, Russell Elmer	D.C.
Hammond, Seymour Blair	Utah	B.S. in E.E. 1947, University of	
Hammond, Seymour Blair B.S. in E.E. 1945, University of	-	Illinois	
Washington		Hauck, Raymond Leahigh	Ind.
M.E.E. 1948, Cornell University	T79	Hauck, William McRae	Md.
Hance, Edward	Fla.	Hawkins, Thomas Jackson	D.C.
B.S. 1946, University of South Carolina		Hayek, Will J. Hayes, Robert William	D.C.
Hancock, John Cochrane	Md.	A.B. 1939, Columbia University	44.4.
A.B. 1943, Western Maryland Colle	ege	Hays, Raymond Leroy	D.C.
Hancock, Katharine I.	Calif.	A.B. 1946. The George Washington	
A.B. 1942, University of California	Va.	University	
Hancock, Quinlan Harris Handler, Chester J.	D.C.	Healey, Alan John	D.C.
Handy, John Bruce, If.	D.C.	A.B. 1948. The George Washington	
A.B. 1943, Washington and Lee		University Hearing, Vincent Joseph	D.C.
University	20.00	Hearn, Alexander McMurray	Mo.
Hanley, Charles	N.Y.	Hecht, Irving Mark	Md.
Hannoosh, Raymond Thomas A.B. 1935, Dartmouth College	Mass.	B.B.A. 1947, College of the City of	******
Hanson, Henry, Ir.	Conn.	B.B.A. 1947. College of the City of New York	
Hanson, Henry, Jr. A.B. 1940, Wesleyan University A.M. 1941, Harvard University		Hedley, Robert Kenneth	III.
A.M. 1941, Harvard University		Heeney, Elizabeth Anne	D.C.
Hantman, Alfred	N.Y.	A.B. 1946, State Teachers College, Montclair, N.J.	
A.B. 1939, Brooklyn College Hapeman, Lucy Ann	Nebr.	Heinish, Ned O.	W.Va.
A.B. 1946, University of Nebraska	ATTON.	A.B. 1942, Marshall College	d.

Hellmuth, James Grant	D.C.	Holbrook, Ollie James	Ky.
B.S. 1948, Yale University Helstrom, Warren Richard	941	Holcombe, William Callis	Ala.
Helstrom, Warren Richard	Ill.	A.B. 1947. The George Washington	
A.B. 1943. DePauw University	Fla.	University Holeman William Daniel	Tenn.
B.S. in E.E. 1045 Georgia School	F 14.	Holeman, William Daniel Holford, Bond Larry	Md.
Helzer, Charles William B.S. in E.E. 1945, Georgia School of Technology		Holland, Garrin Edward	DC.
Hendershott, Susan Jane	Md.	Holland, Graffin Bryan	Md.
Hendershott, Susan Jane Hendricks, William Charles	N:C.	B.S 1947, University of North	20002.
Henry, Edwin Stanton, Jr.	N:C. D.C.	Carolina	
Henry, Patrick Francis	Ga.	Holland, Townsend Stanley, Jr.	Md.
B.S. 1945, Georgia School of		B S. 1946, University of North	
Technology	20	Carolina	20
Henson, Edwin Nott, Jr. A.B. 1948, The George Washington	D.C.	Holleman, Joseph Tullie	Ky.
University		B.S. 1945, United States Naval	
Herman, Jack Robert	Va.	Hollingsworth, Gerald Eugene	DC
A.B. 1943, The George Washington		Hollister, Robert Francis	DC.
University		B.S. in B.A. 1943, LL.B. 1948,	~ · ·
Herndon, William Clifton, Jr.	Tex.	Georgetown University	
Herrick, Harold Colton, Jr.	Mo.	Holt, Edward Brewster	III.
B.S. 1937, Washington University Herring, Paul Littleton		B.S. 1947, University of Michigan	
	Md.	Holter, William Clinton	Va.
B.S. 1946, University of Maryland	711	A.B. 1947, Ripon College Holtzman, Irving	21.11
Hewlett, Glenn Howard Hiers, Jasper Theodore	N.C.	A R 1040 Brookley College	N.Y.
Higgins, Frank Victor	Va.	A.B. 1940, Brooklyn College Holyfield, Thomas Kenney	Miss.
B.S. 1941, Bradley Polytechnic	v m.	A.B. 1941. Millsans College	201155.
Ingriture		A.B. 1941, Millsaps College Honsbach, Elmer Wilson	Va.
Hill, George Richards Hill, Joseph Carl B.S. 1940, Mount St. Mary College Hill, William Bethel, Jr. B Ch E., 1941, University of Virginia Hillier, Floyd William B S. 1968 Militage State College of	Pa.	Honecker, Benjamin Robert	W.Va.
Hill, Joseph Carl	Md.	B.S. 1941, University of Pennsylvani	ia
B.S. 1940, Mount St. Mary College		Hood, Charles Fuller	Colo.
Hill, William Bethel, Jr.	Va.	A.B. 1947, Colorado State College of	
B Ch F., 1941, University of Virginia	WEST.	Education	21.35
B.S. 1948, Michigan State College of	Wis.	Hoopes, Townsend Walter	N.Y.
Agriculture and Applied Science		A.B. 1943, Yale University Hopper, Nathaniel Wilson	Md.
Hillman, Jack Allan	D.C	Horenstein, Leon Russell	DC.
Himelfarb, Jordan Sheldon	D.C. D.C. N.C.	B.S. 1943. Northeastern University	- ·
Himelfarb, Jordan Sheldon Hinsdale, Charles Edwin	N.C.	Horkan George Anthony, Iz	D.C.
A.B. 1940, University of North		A.B. 1943, University of Pennsylvani Horne, Leon Russell	13
Carolina		Horne, Leon Russell	Mass.
LL.B. 1946, The George Washington University		B.S. 1943. Northeastern University Horowitz, Herbert David	50
Hirsch, Robert Bruce	Md.	Horowitz, Herbert David	Pa.
Hirshberg, Robert Lowe	Ohio	LL.B. 1948, The George Washington	
A.B. 1940, Oberlin College	Onio	University Horton, Donald Raymond	N.D.
Hiss, Alfred Lee	W.Va.	A.B. 1048. State Teachers College.	
Hix, Ernest Theodore	Va.	A.B. 1948, State Teachers College, Valley City, N.D.	
B.M.E. 1949, The George Washington	1	Horwitz, Harold Houseal, Robert Wright, Jr. B.S. 1943, The Citadel	N.Y.
University	-	Houseal, Robert Wright, Jr.	S.C.
Hobbes, Alan Buxton	Fla.	B.S. 1943. The Citadel	
A.B. 1939, Washington and Lee		Houston, James Knox	N.Y.
University		Howes, Charles E.	Ohio
LL.B. 1947, The George Washington University		Hoyt. John G. B.S. 1943. United States Military	Ohio
Hodges, Quinton Edward	Ga.	D.S. 1943, United States Military	
B.S. 1935, University of Georgia	Ga.	Academy Hubbard Russell Hale Is	Conn.
M.S. 1937, John B. Stetson University	,	Hubbard, Russell Hale, Jr. B.S. in E.E. 1944, Syracuse Uni-	Conn.
Hodges, Raymond Lewis	D.C.	Versity	
B.S. 1941, University of Maryland		Hudgins, John Jefferson Hudson, Dugald Walker	DC.
Hodges, Willard Jefferson, Jr. LL.B. 1937, University of Alabama	Ala.	Hudson, Dugald Walker	S.C.
LL.B. 1937, University of Alabama		B.S. 1940, Presbyterian College	
Hodson, Kenneth Joe	Wyo.	Huey, Robert Carter	D.C.
A.B. 1935, LL.B. 1937, University of	I .	Huffman, William Ewart	Md.
Hoffman Robert Douglas	3.6.2	Hull, Maury Isaac	Tenn.
Hoffman, Robert Douglas Hoffman, Rubin	Md. Md.	A.B. 1032. Southwestern University A.M. 1046, The George Washington	
B.Ch.E. 1937, College of the City of	IVIO.	Ilainenite	
New York		University Hulvey, Charles Newton, Jr.	Va.
Hogan, Edward Eugene	N.Y.	B.S. 1936, University of Virginia	Va.
Ph.B. 1931, M.D. 1936, Yale		Humes, Theodore Leon	Pa.
University		A.B. 1948, University of Pittsburgh	

			0.73
Hundley, Henry Robert	W.Va.	Johnson, Donald Lewis B Ch.E. 1947, Purdue University	S.C.
Hunt, Leish Hale A.B. 1928, LL.B. 1930, University	****	Johnson, Leighton Eugene	Va.
of Illinois	N: 0	Johnson, Norton Steele	D.C.
Hunter, Millard Stanton B S. 1918, University of North	N.C.	Johnson, Olin Beeler A.B. 1944, Western Michigan College	Mo.
Carolina		of Education	
Hurkett, Jack Walter	D.C.	Johnson, Richard Carl	D.C.
Hurley, John James	D.C.	Jones, Cullen Bryant	D.C.
A.B. 1948. The George Washington University		A.B. 1048, The George Washington University	
Hurson, James Vincent	Md.	Jones, Darrell Lloyd	Tex.
B.S. 1948, American University	III.	Jones, Everitt Craig, Jr.	N.C. Okla.
Hussar, Edward John A.B. 1946, The George Washington University	111.	Jones, Jack Clayton B.Ch.E. 1030, Oklahoma Agricultural and Mechanical College	ORIU.
Hutchinson, Eileen Marie	D.C.	Jones, James Frederick	DC.
Hutson, Harrison Darlen	La.	Jones, lames Frederick Jones, Theodore William A.B. 1947, Western Reserve Uni-	Ohio
A B. 1948, Southeastern Louisiana College		A.B. 1947, Western Reserve Uni-	
Hyde Edward Richard	N.Y.	Jongbloet, Louis	D.C.
B.S. in F.E. 1948, Purdue Universit Hyer, William Fred	у	A.B. 1932, Villanova College A.M. 1934, Duke University	
Hyer, William Fred	Tex.	A.M. 1934. Duke University	
B.S. 1942, Oklahoma Agricultural an Mechanical College	ıa	LL.B. 1047. The George Washington University	
Hymowitz, Helen	DC.	Jordan, George Sanford	D.C.
Hymowitz, Shirley L.	D.C.	Julien, Carl Alden	Oreg.
I		B.S. 1045. University of Washington M.S. 1947. University of Notre Dame	
Imlay, Carl Hudson	D.C.	reads 1967. Oniversity of Notice Daine	
A B 1946, Harvard University		К	
Ionnitia, Mircea	D.C.	Kaczmar, William	Pa.
LLB. 1944, University of Buckard Isaac, Isadore	D.C.	AB 1942. Yale University	N.Y.
Isom, Clifford Clinton	III.	Kahn, Fritz Reiner	Md.
B S. 1939. Kansas State College		Kahn, Kalvin	Pa.
Ţ		A.B. 1948, University of Pennsylvania	DC
Jackson, Blaine Carroll	W.Va.	Kaiser, Stanley Mortimer Kait, Harry Carl	D.C.
Jackson, Phil p Grant Jackson, Thomas Lester	D.C.	B.S. 1928. Temple University LL.B. 1938. University of Newark	
Lickson, Thomas Lester	D.C. D.C.	I.L.B 1918, University of Newark	y-
Jacob, John Brevard	D.C. Md.	Kalb, Vernon Fredric B.S. in E.E. 1947, University of	Ky.
Jacobs, Arthur Alfred B.S. 1939, New York University	wid.	Kentucky	
La obs Morton Cl. Hord	D.C.	Kalfus, Ira	N.I. D.C.
BS 1142, College of the City of		Kalvin, Paul Craig A.B. 1948, The George Washington	D.C.
Jacobson, Old Thomas	N.D.	L'niversity	
B S 1942. College of the City of New York Jacobsov. Odd Thomas A B 1948. The George Washington	27.00	University Kamm, Arthur Thorpe	DC.
t miversity	871	A.B. 1947, American University Kaplan, Louis Charles	DC
Jackel, Georgie Marion A.B. 1948, Florida State College for	Fla.	A B 1934, Yale University	D.C.
Women		LL.B. 1948, LL.M. 1948, Georgetows	n
Janson, Lars Felward Jarvis, Albie Joseph Jas R. Verlin Fliner	Va.	University	
Jarvis, Albie Joseph	Mass.	Kappler, Charles Theodore	DC.
Josk ewitz, Edmund Michael	Ind, Conn.	AB 1942, Yale University Kardy, Leonard Thomas	DC.
RS 1947, Un versity of Connecticut	Conn.	Karsted, Jessie Walton	Fla.
Jeffries, Albert Carmie	D.C.	Kator, Irving	N.Y.
A B 1948. The George Washington University		A.B. 1941, University of Michigan	1. 1.
Jenkel, Albert Arthur	lowa	B Ch. E. 1947, College of the City of New York Kayson, David	N.Y.
Jersel, Mart n John, Jr.	Iowa	New York	
Jennings, Barnard Fulton	Va.		DC.
B.S. 1048. University of Virginia Jenson, Willis John	Wyo.	Kearns, Lyman Coolidge Keating, William Joseph	Vt Md.
B.S. 1947, Pennsylvania State College	e wyo.	B.S. 1940, United States Naval	Mid.
Jernberg, Dale Leonard Jeter, W. H.am Tyree	Md.	Academy	
Jeter, William Tyree	Okla.	Keith, Deane Ellington	Va.
Jobe, Milton Lockwood	W.Va.	BS 1943, University of Maryland	Ohio
Johnson, Charlotte Albertina	Minn,	B Ch.E. 1943, Ohio State University	Chio
B.B.A. 1932, University of Minneson	ta	LL.B. 1949, Georgetown University	

Keller, Phillips Brooks	Tex.	Kirk, Charles Gilbert	D.C.
A.B. 1947, University of Texas		A.B. 1911. University of Washington	
A.B. 1947, University of Texas Kelley, Frank William Kelley, Wallace Ralph	Mich.	Kirkman, Albert Gwinn, Sr.	Md
Kelicy, Wallace Ralph	D.C.	BS 1927, Virginia Polytechnic In-	
A.B. 1945, American University Kell.son, John Ray	Va.	Staute Filmer 1 Allen	I) C
RS true L'autorité of Dishmond	va.	Kirkpatrick, Allen	D.C.
B.S. 1941, University of Richmond Kelly, Catherine Burton	Md.	B.S. 1941, Massachusetts Institute of Technology	
AR Train Smith College	AVANA.	LLB 1 115 University of Virginia	
A.B. 1949, Smith College Kelly, Edward Joseph	Pa.	LLB, 1948, University of Virginia Kirsch, Martin Joseph	DC.
BS 1919, Drexel Institute of Tech-		Kirshbaum, Amiel	DC.
nology		B.S. 1947. University of Maryland	
Kelly, I dward Thomas	111.	Kitts, Willard Frederick	Mass.
Kelly, Francis Keith	D.C.	A B. 1942. Amherst College	
A.B. in Govt. 1948. The George Washington University		Klavan, Stanley	Md
Washington University	Md.	A.B 1946, The George Washington	Colo
Kelly, John Leo B.S. 1947, Georgetown University	Md.	University	
B.S. 1947, Georgetown University Kem. John Worth A.B. 1949, Princeton University	D.C.	Klitzman Manrice H	Ohio
AB tota Princeton University	2.0.	Klitzman, Maurice H. B.S. in M.E. 1948, Purdue University	·
Kener, Frank Contact	Md.	Klostermann, Wolfgang Ekart	D.C.
Kemp, Edward William	Iowa	Knapp, Norman	11:11
AB 1949, Princeton University Kenner, Frank Control Kenner, Federard Wolfram AB 1948, State University of Iowa		A.B. 1910, Morris Harvey College	
Kempton, Lawrence K.	D.C.	Knight, Robert Whitney	Md.
BIE 194 Ohio State University	2.	Koldoss, Frederick Henry	DC.
Kennedy, Joseph Bernard, Jr	Va.	B.S in M.E. 1943. University of Maryland	
AB 1947. The George Washington		Kokulis, Paul Nicholas	N.H.
University Kennedy, Oliver	D.C.	B S. 1944, Worcester Polytechnic	49.11.
Kenner, Jack Linwood	Va.	Institute	
LL B 1941. University of Louisville		Kolodny, Joseph George	Mass
Ectil, Milhui I char	Va.	A.B. 1915, Harvard University	
BS 1941, The George Washington		Kopp, Paul Joseph	Wa.
University		A.B. 1942, Lehigh University	
Kent, Perrin Aloysius	Mo.	A.M 1911, Duke University	A
A.B 1941, The George Washington		Korn, Seymour	N.Y.
University Kerr David Liv	Okla.	Kornblatt, Julius Kostik, Peter James	N.Y.
Kerr, David Jay A.B. 194", The George Washington	ORIA.	Kostka, Fred Paul	Va
University		B S. in M F., 1942, Rhode Island	
Kerr, Richard Haller	W.Va.	State College	
A B. 1948, West Virginia University		Koutoulakos, Louis	Va.
Kerr, Thomas Moore, Jr.	N.J.	Koutsandreus, Peter Dionysius	D.C.
AB 1940, Lafavette College		BCE. 1948. The George Washington	1
Kilburne, Richard Francis	N.Y.	University	D.C
A B. 1948, The George Washington		Kozel, Alexander	D.C.
Kilby, Katherine Killeen	Va.	Kozlowski, Joseph John	111
A B. 1927, Trinity College	va.	Kraft, Lester A.B. 1948, University of Maryland	MJ
K.llea, William D.	N.Y.		W.
A B. 1941. University of Kentucky		B.F. 1943, Ohio State University	Ohio
Kinderman, Eugene John	III.	Kravetz, Herman	Md.
B.S. 1011, University of Illinois		Kreek, Louis Francis	D.C.
King, Donald Kyle	D.C.	B.S. 1948, Massachusetts Institute of	D.C.
A.B. 1948, The George Washington		Technology	
University	3.6.1	Krist, Fred George	N.Y.
King, Glenn Richard	Md.	Krong, Harry Donald	Pa.
A.B. 1948, Gettysburg College K.mey, David Bowen	Va.	BS in Ed. 1947, Temple University	
	va.	Krubel, Frederick John	III.
A.B. 1943, Alma College Kinsel, Alan Edson	Va.	B.S. in M.E. 1943, University of	
A.B. 1948, The George Washington		Illinois	
University		Krupotich, Edward	D.C.
Kinsel, James Nolan	D.C.	BS 1944. University of Colorado	
BS 1943, University of Maryland		Kuchler, Ralph Rudolph	Utah
Kinzer, Tames Brooks	Pa.	A.B. 1948, The George Washington	
BS 1718, Pennsylvania State Colle		University	
Kip. Ruloff Frederick, Jr.	N.J.	Kump, Mary Gamble	W.Va.
B.S. in E.E. 1943, Princeton Uni-		A B 1036. West Virginia University	200
Versity	C	Kune, Bernard Kack	D.C.
Kirby, Edward Francis	Conn.	Kunz, Karl Michael	RI
Fig. B. 1937, Providence College Kirby, Ernest Calvin	Va.	Ph.B. 1941, Providence College LL.B. 1947, Georgetown University	
ichoy, adirent Carvin	V.	bulb. 1947, Georgetown Chiversity	

Kurz, Philip Elledge	D.C.	Lefer, Samuel	D.C. N.Y.
BS, 1942, University of Maryland		Lefkowitz, Saul	
Kurrle Stuart Frederick	Md.	B.S. 1940, College of the City of New	W
A.B. 1948. The George Washington		York Legum, Howard Isadore	Va.
University		A.B. 1943, Harvard University	
		Lehnert, Robert Conrad	N.Y.
L		Lewiston, Doc ald McCulloch	Nev.
v m m t 1 1 1	0 117	A B. 1938, University of Nevada	DC
Laffin, Edward John Laguther, Robert Bosco	Calif. Minn.	Lembach, Dorothy Gadbois A B 1945, Brown University	DC.
Lagomarcino, Paul Donald	III.	Lekolitch, Alex, Jr.	NJ.
L.L. B. 1948, State University of Iowa		Leney, Herber Carlton	Okla.
Laliatte, James Albert, Jr	Md.	B.S. 1928, Oklahoma Agricultural an	d
B.S. in E.E. 1943, Georgia School of		Mechanical College	
Technology Lainof, Robert Ivan	Va.	LL.B. 1914, University of Oklahoma Lenfestey, James Albaukh	Fla.
BS 1939, North Carolina State	v a.	Letner, Theodore Nathan	DC.
B S 1 349, North Carolina State Teachers College		Lessuic, Cierald 11.	D.C.
LaLande, Allen Lee	Tex.	Levin, Edward	Conn.
Lally, Paul Thomas	Va.	Levin, Jacob Solomon	D.C.
A B. 1945, Berea College	Ky.	Levin, Joseph Levin, Mark	III.
Lamberton, Alfred James	N.H.	BS, 1918, Princeton University	
A.B 1933, University of New Hamp)-	BS. 1918. Princeton University Levine, Alfred Bernard	Va.
shire	31.	BS in F.E. 1946, Cornell Universit M.S in E.E. 1948, Rensselaer	У
Lane, Munson Harmon, Jr.	Va.	Polytechnic Institute	
BS 1948, Emory and Henry Colleg Lang, Edward Alexander	Fla.	LeVine, Carl Ralph	Mich
Do in D.A. 1943, University of		LeVine, Carl Ralph B.Ch.E. 1935, M.S.E. 1938, Univer- sity of Michigan	
riorida	CED.	sity of Michigan	
A.B 1948, The George Washington	Tex.	Levine, Grace Flax Levine, Irving Abraham	5) (
University		Lev.ne. Irving Seth	1)('
Langr, George Edward	N.Y.	B S. 1941. M.S. 1941. Massachusetts	1
A B 1948, Union College	_	Institute of Technology	
Lapham, George Sealy	Ga. N.Y.	Levy, Donald BS 1947, University of Maryland	711
Lapin, Farl Michel Lasco, John	Ra.	Levy, Harry	N.J.
Lashley, Glenn Thomas	Okla.	BS. in M.E. 1936, New York Uni-	**
Lathram, Leslie Wade	Va.	versity	
A.B 1937, Miami University		M.S. 1946, Stevens Institute of	
A.M. 1939, University of Cincinnati Latt, Benjamin	R.I.	Technology Lews, Arnold Charles	NY.
A.B. 1948, Brown University	24.4.	B.S. 1917, College of the City of	. 1.
Laurstsen, Carl Richard	Oreg.	New York	
A B 1919, LL.B, 1941, University of	of	Lewis, Harry Frank	W.Va.
Nebraska Tana Jawa Arthur	Va.	A B. 1939. West Virginia University	
A.B. 1947, Catholic University of	V2.	Lewis, Irving	Del.
America		A.B. 1948, University of Pennsylvan Lexa, Frank Joseph, Jr.	M.nn.
Lawrence, John Creig	Md.	A.B. 1643, University of Minnesota	**********
BS 1939, United States Naval		Ll amon, George Marion	Calif
Academy Lawrence, Norman	D.C.	B.S. 1939, United States Narval	
BS 1949, College of the City of	D.C.	Aca lemy	
New York		Lieberman, Herman	N.Y.
Lawrence, Willis Dale	Nebr.	B.S. 1915, M.S. 1016, College of the City of New York	
Lay, Kenneth Swift	Mo.	LL.B. 1942, The George Washington	
Layton, Walter Adonis Leach, Daniel Joshua	Kans, Minn.	University	
B.S. 1938. University of Minnesota	ARTITUTE.	Light, E. Jerry	Pa.
MS. 1946, Yale University		B.S. 1046, Columbia University	(1)
	D.C.	Liken, Robert Lee Lilenquist, L. Blaine	Okla.
A.B. 193; Pennsylvania State Colle Leary, James Edward	ge A-L	B.S. 1918, University of Idaho	Idaho
A B. 1948, Duke University	Ark.		Md.
Leary, Robert George	N.Y.	Lindamood, Joseph Ganam, Jr. A.B. 1941, University of Maryland	
LeClaire, Charles Homer	Mich.	Lindberg, Dale Sheldon	Pa.
A B. 1940, Alma College		A.B. 1941, Bucknell University	
M.B.A. 1942, University of Michigan Lee, Raymond	N.Y.	Lindley, Thomas Madison Lindquist, Wallace Alfred, Jr.	Ariz.
B.S. 1948, Pennsylvania State College	e 14.1.	B.S. 1949, Purdue University	III.
The state of the s		Jan 1999, a didde Outterelly	

Line, Lucille	Mont.	Lund, Van Metre	Iowa
A.B. 1940, State University of Mon-		B.S. 1944, Iowa State College of	
taita		Agriculture and Mechanic Arts	DO
Lingreen, Edna	Iowa	Lundin, Dorothy	D.C.
A.B. 1934, A.M. 1935, State Uni-		AB 1917, Hunter College	Wash.
versity of Iowa	NW	Lundgren, Henry Willard	
Linhof, Eric	N.Y.	Lundquist, George Arthur	MJ.
A.B. 1949, University of Rochester	D.C.	B.S. 1948, University of Maryland	S.C.
Lipsky, Harold	D.C.	Lundy, Julian Percy	D.C.
A.B. 1947, New York University Litke, Arthur Ludwig	Conn.	Lung, Ernest Hezakiah B.S. 1938, University of Maryland	D.C.
B.S. 1944. Trinity College	Coun.		erlands
M.B.A. 1947, University of Penn-		MR. in de rechten 1946, Leiden	CISMINICIA
swivenia		University	
Litteral, Kelley	Md.	Lyda, James Claude H. A.B. in Gov. 1948. The George Washington University	D.C.
A.B. 1946, Washington and Lee	449.00	AB in Gov. 1918. The George	2.0.
University		Washington University	
Littmin, Simon	D.C.	Lynch, William Charles	Conn
LL.B. 1931, University of Maryland		Lyngby, Alfred Robert	Fla.
Litwin, Albert	Ill.	BS. 1917, LL.B. 1940, University of	
A.B. 1918. Wayne University		Alabama	
Lockhart, Elizabeth Berkeley	Va.		
A.B. 1927, College of William and		4 graft	
Mary		M	
Lockwood, Robert Kenneth	D.C.	Macaluso, Vincent Grondin	N.Y.
A.B. 1941, Maryville College LL.B. 1948, The George Washington		A.B. 1948, Yale University	
LL.B. 1948, The George Washington		A.B. 1948, Yale University MacCracken, William Lewis	D.C.
University		Machita, John A.B. 1048, The George Washington	D.C.
Lohm, Thomas Alexander	BELL.	A.B. 1048, The George Washington	
Lokke, Bernard Molineaux	N.Y.	University	
London, John Monte	N.Y.	Mack, James Edward	D.C.
A.B. 1941, Harvard University		A.B. 1043. The George Washington University	
Long, Dewey Cecil	Okla.	University	2.61
Long, George Edward	Md.	Mack, John Halford	Md.
Loomis, Jerome Lathrop	Wis.	B.S. 1937, University of New Hamp-	
B.S. in Ed. 1036. State Teachers Col- lege, Whitewater, Wis.		Markey Appela Palent	Va.
lege, Whitewater, Wis.		Mackey, Argyle Robert Mackey, Leonard Bruce	N.Y.
A.M. 1942, Northwestern University		B.E.E. 1945, Rensselaer Polytechnic	V4.1.
Loos, Dickson Randall	Md.	Institute	
A.B. 1945, Dartmouth College B.S. 1945, Yale University			Md.
B.S. 1945, Yale University		MacMillan, John Howard MacNichol, Layton Frank	D.C.
Lopez, Cornelio	D.C.	A.B. 1942. The George Washington	20.00.
A.B. 1927, State University of Iowa		University	
Loren, Phyllis C.	Minn.	MacRae, Duncan Shaw	D.C.
Lorenz, James Edward	III.	Magurn, Joseph John	D.C.
Lott, Fred Eli	N.J.	A.B. 1018, Harvard University	
A.B. 1947, A.M. 1948, Syracuse Uni-		Mahar, Daniel John	N.Y.
versity		Maher, Francis Patrick	Tex
Louk, Ralph Glynn	Va.	Maki, Walfred Victor	Minn
Lourie, Leonard Levy	Ohio	Malecki, Robert Joseph	Va.
A.B. 1942, Miami University		B.S. 1043. Central State Teachers	
Love, James William	Pa.	College	
Loveless, Ernest Alvin	Md.	Malone, William Grady	La
A.B. 1943. University of Maryland		B.S. 1941, Louisiana State University	
LL.B. 1947, The George Washington		Maltby, Wilson Ray	Va
University		A.B. 1910, Milton College	
Lowe, Ira Melvin	D.C.	A.M. 1011. University of Wisconsin	0.0
Loy, John Irving	Va.	Maltman, William Leneave	D.C.
A.B. 1942, University of California at Los Angeles		B.S 1943, University of Oregon	D.0
at Los Angeles		Mann, Donegan	D.C.
Luber, Shirley Natalie	D.C.	A.B. 1947. The George Washington	
Lucas, Charles Williams	Va.	University Madison	10
Luck, William Bryant	Va.	Manning, Charles Madison	Ky.
A.B. 1948, University of Richmond		A.B. 1947. Union College Manning, Glenn Franklin	Ala.
Luckett, Richard Samuel	Va.	LL.B. 1948, University of Alabama	Alla.
A.B. 1942, Randolph-Macon College		Marcus, Carl	NY.
	Idaho	Marfing, Charles Austin	Pa.
A.B. 1947, University of Idaho		A B 1010, Pennsylvania State College	
Lukens, John Fritchle	Idaho	Margaritis, Nicholas John	Md.
A.B. 1016, University of Idaho		Margaritis, Nicholas John Markham, Charles Bichanan	N.C.
Lund, John Freeman	Pa.	A.B. 1945, Duke University	

			50
Markowitz, Irving	N.J.	McCool, Cornelius Joseph	Pa. W.Va.
Marks, Solomon	Md.	McCormick, William Carlyle A.B. 1938, University of West	W. V.A.
B.S. in Ed. 1937, College of the City of New York		Visit d	
Marror Amar Charles	N.Y.	McCown, William Dewell	D.C.
Mr. all Carles Lance, Jr.	W.Va.	AB 1941. The George Washington	
P.S. J. I. E. 1.47, Pardue University	,	University	Md
Mary, lanes Vivel	D.C.	McCullough, William Harrison	Md.
B.S. 1715. United States Coast Guard	1	McD v. el. John Bernett	19101.
Mars Ice at Mess	Md.	B.F.E. 1046, University of Louisville McDermott, William Tromas	Mass
BS 1914, University of Arkansas		B.S. 1935, University of New Hamp-	
Viera, Massail View, Jr.	Va.	Shire	
Vi '' P', Richard Affred	Maine	M.S. 11 Ed. 1946, Boston University M.D.II, Thomas	Ohio
Martin, Richard Alton	Ohio N.C.	A.B 1 148, Miami University	(7,110
M. Anthony Prancis	Pa.	M.Donough, Russ Il Charles	Mont.
Mr. Anthony Francis AB 1 45 The George Washington	2 44.	M.Elrov, Charles Raymond A.B. 1944. The George Washington	D(.
[, /4, / ,/		AB 1944. The George Washington	
Morat, Stephen Wilter	N.J. Va.	University	Okla
M but Top is Vit ent	Ala.	McElroy, John Dale McElroy, Virgil Maurice	Kans.
il's 1747 I versity of Alabama	Ala.	A B. 1916, LL B. 1938, University	
Masiello, Joseph Alvin	Va.	of Kansas	
Mason, Irma S.	N.Y.	Makestan Luke Commission	Md.
B S. 1010, Drezel Institute of Tech-		McGee, Charles Edward	III.
nelegy		BS in Eng. 1914, Northern Illinois State Teachers College	
Mason, William Ernest	III.	McGhee, William Morrow	D.C.
Mates, Edward I.	N.Y.	A B. 1947, The George Washington	
A. B. 1030. Brooklyn College Mathis, William Lowrey	Tenn.	University	2.61
B S. in M.E. 1947, Duke University	A CHIII.	McGill, George A B 1945, Furman University	Md.
Masslews, Edward Patrick, Jr.	Fla.	M. C. cos Robert Allen	W Va.
Married, Helen Irene	D.C.	McGrail, Edward Hugh	N.J.
A B 1941. The George Washington		A B 1941, St. Peters College	
Maturia Frank I	Pa.	1.1. B. 1048. Georgetown University McGrew, William Michael	b
Matusic, Frank, Ir. Maurer, George Joseph	Va.	McGrew, William Michael	Pa. Va.
Mayberry, Lawrence Edgar	Md.	M. Lorvee Ernest Rubard	DC.
Mayes, Basil Lamar	Calif.	McIntyre, Fred Louis	Va.
	to Rico	McGurrin, James Joseph, Jr. M. Juwer, Ernest Richard McIntyre, Fred Louis A.B. 1948. The George Washington	
B.B.A. 1939. University of Puerto		(miversity	
R·co		McIntyre, William G.	Mont.
McAneur, Frank Ed	Ark.	M. Kay, Joseph Patrick	D.C.
A B. 1945. The George Washington		McKeel, Charles Baynor	N.C.
M Bride, Willard Carlos	D.C.	McLaughlin, John Francis	Conn.
I'S 1948. University of Maryland	17.0.	A.B. 1944, Trinity College McLaughlin, William Francis	Va.
M Burnett, Roe David, Jr.	Tenn.	A B 1941, Swarthmore College	* 61 .
BS n f.F 1944, Georgia School		McLaurin, Lillian Catherine	Miss
of Technology		A.B 171", LL B. 1939, Vanderbilt	
M Cabo, The mas Robert	Conn.	University	
A.B. 1040, Brown University M. Callum, Marrie Dimean	3.61-	B.S. in L.S. 1941, Peabody Institute	
AB 1942. The George Washington	Miss.	of the City of Baltimore McManas, Jean	Wio
('n versity		LL.B. 1940, LL.M. 1941, National	11 / (1
M. Carrey, Mary Ellen	D.C.	University	
AB 1,4", Dike University		McMullen, Thomas Richard	DC.
M Carty, C'arles Dennis	D.C.	A.B. 1946, The George Washington	
BS in M.E. 1941, Northeastern		University	50
University		McNally, Marietta Bortz	Pa.
LL B 1945, Boston University McCeney, Buchanan Houston	D.C.	B.S. 1947. Temple University	Nev.
McClary, Dillon Rymer	D.C.	McNamee, Patience E. A.B. 1944, Immaculate Heart Colle	
1.B. 1931, University of Tennessee		McNeil, George Elroy, Jr.	Md.
McClure, Rex Clark	D.C.	A.B. 1942. The George Washington	84961.
McClure, William Pendleton	D.C.	University	
B.S. in Gov. 1949, University of		McPherson, James Willis	Ohio
Pennsylvania	121-	McQueen, Robert Keith	Iowa
McConnel, Mary Alice A B, 1932, Hollins College	Fla.	A.B. 1944, The George Washington University	
, t. b. 1932, froming Conege		C. Miretally	

McRae, John Edwin	Mich.	Mitchell, Charles Bradford	D.C.
McRae, John Edwin B.Ch.E. 1948, University of Detroit	N1 35	Ph.B. 1928, A.M. 1929, Wesleyan	
McTiernan, Charles Edward	N.Y.	College A.M. 1938, Ph.D. 1939, Harvard	
B.S. in E.E. 1941, University of Alabama		University	
Mears, John Stephen, Jr.	Ind.	Mitchell, Edward Alexander, Jr.	D.C.
Messelman, Sumner BS in ME. 1940, Worcester Poly-	Va.	AB 1941, University of Virginia	201
BS in ME. 1940, Worcester Poly-		Mitchell George Dav B.S. 1915, Johns Hopkins University	MJ.
Malton Cylab Wilson	N.C.		NY.
Melvin, Caleb Wilson Melvin, Flavell Bryan, Jr.	Va.	BS 1918, College of the City of	
Mendelsohn, Sydney Henry	Pa.	BS 1918, College of the City of New York	
Menter, Martin	N.Y.	Modlin, Philip Hodgin	7. C.
A B. 1917, LL.B. 1939, Syracuse		A.B. 1947. High Point College Moe, Albert Ferdmand	Calif.
Cinversity Mercer, Joseph Jackson, Jr. A.B. 1948, Emory University Merry, Helen Virginia Lee A B. 1941. College of Wooster Merwin John David	Ga.	BS 1928, University of California	Carri.
A.B. 1048, Emory University	Ou.	Mogul, Rubin	Pa.
Merry, Helen Virginia Lee	D.C.	A B 1048, Pennsylvania State College	0
A B. 1941, College of Wooster	0	Mohr, Paul James	NY. D.C.
Merwin, John David B.S. 1943, Yale University Metwee Clude Christian	Conn.	Montgomery, John William Myers B.S. 1940, United States Naval	D.C.
Metzuer, Clyde Christian	Pa.	Academy	
B.S. 1948, Pennsylvania State College		Moody, William Augustus	Tenr.
Meyer, Lucille W.	Tex.	Moon, Joan Marie	.113.
Meyers, Leonard Bernard	Md.	A.B. 1042, University of Maryland	Conn.
Meyrowitz, Alvin Abraham	Md.	Mooney, Robert James B.E.E. 1042. Yale University	Conn.
A B 1940, Cornell University M B A. 1941, New York University		Moore, Boyd Guerry	D.C.
Michaud, Lewellyn Richard	Maine	Moore, Charles Clinton, Jr	DC.
Mileur, Alfred Donald	Okla.	Moore, George Carlton, Jr.	Md.
Milfelt, William Benjamin	Mo. Tenn.	A.B. 1041, University of Maryland Moore, Jack Martin	Md
Miller, George Elmer A.B. 1948, Texas Christian University	7	Moore, Jesse Myatt	Ark.
Miller, Herbert John, Jr.	Minn.	Moore, Virgil Lytle	Va.
A.B. 1948. The George Washington		A.B. 1941, Asbury College	27.
University	Md.	Moore, Waldo Hawthorne	Conn
Miller, Homer Ralph Miller, James Robert	Md.	Moran, Leon James Moran, Thomas Francis	Md
Miller, Joseph Sheldon	N.Y.	B.Ch.E. 1939, New York University	240 1
Miller, Leland Henry	Calif.	Mordas, George	N.J
A.B. 1942, State College of Washing		Moreland, Allen Barwick	Fla
Miller Melvin Evene	Pa.	B.S. in B.A. 1018, University of	
Miller, Melvin Eugene Miller, Robert Preston	N.Y.	Florida A.M. 1942, Harvard University	
B.S. in M.E. 1943, Cornell	44.4.	LL. B. 1947. Georgetown University	
University		LL.B. 1947. Georgetown University Morgan, Don Earle	Ky.
Miller, Rodney Arthur	Md.	A.B. 1948, The George Washington	
A.B. 1946. University of Pennsylvani	D.C.	University	9.1
Miller, Roy Hamilton Millis, Hugh Lowell, Jr.	Tex.	Morgan, Frank Savre A.B. 1010, University of Michigan	Va.
B.S. in E.E. 1945, Southern Methodis		Morgan, Glenn Franklin, Jr.	V.a
University		Morgan, John Edward	Md
M.S. in E.E. 1947, University of		Morgan, John Hamilton	DC
Texas	2191	Morgan, Walter Lee	Ala.
Millman, Max Roland	N.Y.	Morgan, William Barnes	W. 13.
B.S. 1917, College of the City of New York		A.B. 1042. West Virginia University	
Millsop, Keith Duane	Pa.	Morris, Lewis Dawson	Va.
A.B. 1948, Grove City College		Morris, Thomas Patrick Ph. B. 1948, Providence College	Mass
Minicus, James L.	Va.	Morrison, William Llewelyn	N 1.
Ph.B. 1931, Brown University		Morrissey, Raymond	DC.
LL.B. 1940, Columbia University LL.M. 1941, The George Washington		Moseley Martin Winn	DC
University		Move, Schiey J	7. 1.
Minnick, John Bradley	NY.	AB, 1948. The George Washington	
A.B. 1015, Amherst College		University	DC
Mirandon, Joseph Wilmer A.B. 1947. The George Washington	N.J.	Mowry, Boar Iman Shaw BS in C.F. 1945, Purdue University	DC.
A.B. 1947. The George Washington University		Mull, John Chillord	NC.
Misey, Edward Gabriel	Wis	Miller, Raymond Carl	DC.
A.B. 1942, A.M. 1945, University		Mullin, Eugene Francis, Jr.	DC.
A.B. 1942, A.M. 1945, University of Wisconsin		A.B. 1945, Brown University	

Mullinnix, Allen Prather	Ind.	Norris, Lawrence Goeffrey	111.
B.S. 1919. United States Naval	211.01	B.S. in E.E. 1947, University of	
Academy		Illinois	
M.S. 1928, Yale University		Vorsell Robert Joseph	Wis.
Munroe, Alfred A.	Kans.	BS. 1947, University of Wisconsin	
A.B. 1946, Municipal University of		Nott, Joseph George	D.C.
Wichita		Novokovich, Nada	Nev.
M.S. 1947. Syracuse University		Nover, Caswell Gordon	Md.
Munves, William	N.Y.	Victor Joseph W. H. am Ir	R.I.
A.B. 1932. College of the City of		Nutter, Joseph W. Ham, Jr. A. B. 1947, Yale University	
New York		Nytures, Donald Richard	Calif.
Murchison, David Claudius	DC.	BS 1744, University of California at	
Mucoby lots lay	Nev.	Los Angeles	
Murnhy Joseph Parrick	Va.	0	
Murnhy Robert Benard	Wis.	O'Brian, Edward Day	Iowa
Murphy, John Jay Murphy, Joseph Patrick Murphy, Robert Benard Murray, David Hugh	Tinn	B.S. in Ch.E. 1947, Iowa State Col-	
B.S. 1929 East Texas State Teacher	9	lege of Agriculture and Mechanic	
B.S. 1939, East Texas State Teacher College Murray, Herbert Henry	Md.	Asse	
Murray Herbert Henry	Md.	O'Briant, Paul William, Jr.	DC.
Murray Herbert Henry B.M.F. 1948, The George Washington	n	A.B. 1948, University of North Caro-	
University	10	lina	
Mustas R. hard Charles	D.C.	O'Br en, Denis John	Minn.
Murray, Richard Charles Mirrish, Everett Clark	Ohio	B.S. 1947, Georgetown University	
A B 1017 Harvard University	01110	O'Brien, Richard Glynn	D.C.
A B 1947, Harvard University Musselman, Ashby Milton	D.C.	AB. 1947. The George Washisspron	2-1-6
RS tota University of Maryland	D. C.	University	
B.S. 1947. University of Maryland Myles. Thomas Eberly A.B. 1947. West Virginia Institute of Technology	W.Va.	O'Brien, William John	Mass.
AR 1047 West Virginia Institute	**. * **.	B.S. 1942, Tufts College	
of Technology		O'Connell, John Joseph	Va.
0. 10.000			Iawaii
N		O'Dea Thomas Emmett	D.C.
Naecker, Priscilla	D.C.	O'Dea, Thomas Emmett Odza, Hugh Malcolm	Pa.
Narron, Wiley	D.C.	A.B. 1047. Pennsylvania State College	
A B. 1935. Abilene Christian College		A.B. 1947, Pennsylvania State Colleg O'Flaherty, Daniel Fairfax	Va.
Nexus, Raymond Anthony	Md.	Oglesby, Nicholas Ewing, Jr.	N.Y.
Ll. B 1948. The George Washington		B.S. in Ch.E. 1941. M.S. in Ch.E.	
University		B.S. in Ch.E. 1943. M.S. in Ch.E.	
Nelson, Robert George	D.C.	stitutm	
Nershi, Michael Thomas	N.J.	Oglesby, Sam Walker	Ga.
Nesbatt, Mary Katherine	Kans.	Oliver, William Palmer, Jr.	Mo.
A.B. 1931. The George Washington		A.B. 1941, University of Missouri	
A.B. 1031. The George Washington		Olverson, John Benjamin	D.C.
Nesbitt, Ionn	D.C.	B.S. 1947, American University	
Netterville, Victor Samuel	Ind.	LL.B. 1939, LL.M. 1941, George-	
A B. 1947, Indiana University		town University	
Neure, ther, Lawrence Anthony	Md.		Sweden
B.S in E.E. 1940, New York Uni-		BCE, 1941, Technical University	
versity		in Stockholm	
Neveleff, Jerome Cooper	Conn.	Ortelani, Frank Richard	Pa.
AB 1941, Yake University		BS 1944, BS, in Ch.E. 1948, Penn	
Nev.n, John Irving, Jr.	Md.	sylvania State College	
Newhouse, Leroy Clark	Md.	Osann, Robert	Va.
Newmyer, Armand	DC.	B Ch L. 1943, Rensselaer Polytechnic	
Newsome, George Marvin	Va.	Institute	
Ni hols, Frank Dean	W.Va.	Osheroff, Milton	N.Y.
A.B. 1946, The George Washington		B.S 1919, College of the City of	
University		New York	
Nichols, Louis N.	DC.	Osinski, Peter P.	D.C.
Nichols, Warren James	Md.	A.B. 1940, Catholic University of	
Nicolaides, Manuel Mike	Md.	America	
B.S. 1943, University of Maryland		Ostatnik, Stephen F.	N.J.
Niehuss, Jacob Clark	Ala.	A B. 1949. Wittenberg College	
A.B. 1940. University of Alabama		Osterman, Herbert William	Mich.
Nielson, Donald Clarence	Mo.	B.S. 1944. University of Michigan	
A.B. 1946, University of Kansas		LL.B. 1948, The George Washington	
Nolte, Albert Charles, Jr.	Md.	University	
B.S. in Eng. 1943, Princeton Univer		Otterman, Harvey Boyd	Vt.
\$120.60		Owen, George M.	D.C.
Nolte, Carl Robert	D.C.	Owen, William Edison	D.C.
A.B. 1948, College of William and		LL.B. 1948, The George Washington	
Mary			
		University	
Norman, George	Md.	Oxendine, Heaverd Dobber	D.C.
A.B. 1947, Western Maryland Colle	Md.		D.C.

p		Peterson, Charles David	Maine
P		A.B. 1948, Harvard University	244 11111
Page, Helen Bell	D.C.	Petkovich, Samuel	Ohio
A.BLL.B. 1948, The George Wash-		Peto, John	N.J.
ington University Pagter, Elizabeth Eugenia	D.C.	B.S. 1947, College of the City of	
A.B. 1945. The George Washington	210.	New York Pleiffer, Frederick Thompson	D.C.
University		A.B. 1947. University of North	D.C.
Parlas, Themis Constantine	D.C.	Carolina	
B.S. 1948, Washington University		Pfund, Charles Edward	Md.
Palmer, Arthur Andrew, Jr.	Va.	B.S. in E.E. 1041. Iowa State Col-	
B.S. 1948, University of Maryland	Md.	lege of Agriculture and Mechanic	
Palmer, William Colton A B 1948, The George Washington	MARI.	Arts Phelps, Allen Warner	DC.
University		Pherson, John Randolph	D.C.
Palmes, Lowell Richard	D.C.	AB 1948. The George Washington	
Pandiscio, Nicholas Anthony	Mass.	L niversity	
BS in Ch.E. 1947. Northeastern		Pl Il.ps, Gordon Allison	DC.
University Parker, O. B.	D.C.	Ph. B. 1947, University of Chicago Philpitt, Frederick Charles	D.C.
Parker, Ralph Woodford	Ky.	B.Ch.E. 1947, University of Mary-	D.C.
A B, 1919, Georgetown College		land	
A.B. 1919, Georgetown College Parks, James Theodore Parks, Thomas Alvin	Okla.	Pickens, John Kenneth	N.J.
Parks, Thomas Alvin	D.C.	LL.B. 1942, Harvard University	011
B.S. 1948, Georgia School of Tech- nology		Pickering, Leonard Leroy	Okla.
Parriah, John Poindexter	Va.	Pierce, Edward Roland B.S. 1948, Purdue University	D.C.
Paschall, John Wesley, Jr.	Ark.	Pierce, James Baker	Mich.
Pastoriza, Ralph Babcock	N.Y.	B.S. in E.E. 1943, University of	
B.S. 1944. California Institute of		Michigan	
Technology	D.C.	Pineau, Roger	Mich.
Pastrick, George Andrew Patch Robert John	D.C.	AB 1942, University of Michigan Plyer, Alfred Hutchinson	Tex.
Patch, Robert John B.S. 1948, University of Michigan	20.	BS. in ME 1948, Rice Institute	ICA.
Patterson, Ernest Harold	Pa.	Pollack, Leonard	Pa.
B.S. 1942, Temple University Patterson, Ila Lucille	20	Pope, Harold Eugene	Ky.
A.B. 1936, Converse College	D.C.	B.S. in M.E. 1947. University of	
Patton, Arthur Gordon	Va.	Kentucky	DC.
A B coas Vala University		Porcel, Fernando Ostaldo Postman, Martin Samuel	Va.
Patty, Clarence Ralph, Jr. B.S. in E.E. 1940, University of Tennessee	Va.	B.S. in E.E. 1946, Virginia Poly-	
B.S. in E.E. 1940, University of		technic Institute	
Paulisch, Eugene Bernard	Pa.	Poston, Met Ray	Tenn.
Paulson, Norman Clarence	S.D.	B.S. 1042. University of Chattanooga	Va
Payne, Francis Xavier	Md.	Poston, Raymond Lee Potter, Ralph E.	D.C.
Payne, Ralph Lucian	Va.	B.M.E. 1945. The George Washing-	
Pear, Leon	Md.	B.M.E. 1045. The George Washing- ton University	
B.S. 1947, University of Maryland	D.C.	Powell, John Frederick	DC
Pearson, Beverly Stocking A B 1940, Vassar College	D.C.	FOWER Ardrew Fall	N.Y.
Peisner, Arthur A	D.C.	A.B 194". The George Washington University	
Pelham, David Elliot	D.C.	Poznak, Morton	N.I.
B.S. 1931, Tufts College Pellerzi, Leo Maurice		Pravel, Bernair Roe	Tex.
Pellerzi, Leo Maurice	D.C.	BS in Ch E. 1947. Rice Institute	
Pendergast, Charles William	W.Va. Va.	Prendergast, James Francis	Pa.
Pendergrass, John Mullard A.B. 1945, Kalamazoo College	VA.	A B 1914, Lafayette College	Т
M.P.A. 1946, Wayne University		Presslar, Avis McKelva n	Tex.
Pennefeather, Joseph E.	N.Y.	A.B. 1919, Baylor University Preslar, Stephen Franklin	Tex.
Pennyan, Lola	Miss.	Preston, Walter Harlan	DC.
	atemala	Price, Milo V.	Nev.
BS 1946, Louisiana State University Perez-Colón, José Enrique	Cuba	Price, Robert Nelson	DC.
Perron, George Peter	D.C.	A.B. 1948, Haverford College	NV
A.B. 1940, The George Washington		Procaccino, Joseph Anthony	N.Y.
University		A B. 1941, College of the City of New York	
Perry. Elena Victoria	N.Y.	Psain, John N cholas	Va.
A.B. 1948, Hunter College		Ph. 1. Gerard Richard BS 1944, Virginia Polytechnic	N.Y.
Perry, Robert Charles	Miss.	BS 1944, Virginia Polytechnic	
Petersen, Stanley Wilhelm	N.Y.	Institute Pullray Pohers Ford	Va.
A.B. 1941. The George Washington University		Pulfrey, Robert Earl B.S. 1937, Jamestown College	VA.
Chiversity		All lancesons of the	

Purdy, William Frederick, Jr.	N.Y.	Reichers, Mary	Va.
Purdy, William Frederick, Jr. B.M.E. 1937, Stevens Institute of		Reid, James Sharp	D.C.
Technology Putterman, Felix Maurice	Va.	A.B. 1937, Cornell University Reid, William Grant	Ala.
Q		Reithn, Martin Gardner	N.Y.
	S.D.	B.M.E. 1945, College of the City of New York	
Quarforth, Carl Donald B.Ch. F. 1046, University of Virginia	0.1.	Reilly. George Kenneth	Wash.
B.Ch.E. 1946. University of Virginia Queen, Francis Vernon	Ky.	A.B. 1947. The George Washington	
A.B. 1941, Derea College	9.0	University	N.J.
Queisser, Richard Curtis B.S. in E.E. 1937, New York	Va.	Reitman, Seymour George	D.C.
Intropaty		Rengel, Richard B.E.E. 1946, University of	
Quesenberry, William Otis	Va.	Minnesota	20.0
D.S. 1943, Virginia Polytechnic In-		Reque, Robert Russell	D.C. Md.
Stitute Quigg, Calvin Carlyle	Va.	Resnick, Alleck Albert A.B. 1947. Western Maryland College	te Ivid.
A.B. 1948, University of Colorado Quinn, Joseph Patrick	7 41.	Reynolds, Chester Forrest	VII.
Quinn, Joseph Patrick	D.C.	Reynolds, Gary Stewart Reynolds, William Lavern	N.Y.
B.S. 1940, University of Utah		Reynolds, William Lavern	Kans.
1		Rhine, Mary Elizabeth Rhodes, Robert Garrett	Pa.
Racoosin, Stanley Arnold	D.C.	B.S. 1947, University of Pittsburgh M.S. 1948, University of	
Raffel, Everett Morton	N.Y.	M.S. 1948, University of	
A.B. 1943, Brooklyn College LL.B. 1948, The George Washington		Pennsylvania Rhyne Ruse Wilson	Va.
University		Rhyne, Brice Wilson Rich, Donald Jenkins	Va.
Ragadale Gerald Hamilton	Mont.	Rich, Francis Earl	Miss.
A.B. 1938, Montana State University Raine, David Latimer B.S. 1948, University of Maryland	Md.	B.S. 1941, United States Naval	
RS 1048 University of Maryland	BVICI.	Richards, July in Imbrie, Jr.	Md.
Ralph, Dallas John	Mich.	Richards, Juli in Imbrie, Jr. Richards, William Robert	D.C.
Ralph, Dallas John B S. in E E. 1948, Michigan College		Richardson, Thomas Totten	Va. Va.
of Mining and Lechnology	Conn.	Richmond, Lionel Richwine, Francis Kost	Pa.
Raiston, Lawrence Parker	Conn.	BS 1941. Pennsylvania State Colle	ge
A.B. 1939, Princeton University Rambo, Reginald Rodney	Pa.	Rickards, Herbert Betz	Mich.
B.S. 1933, M.S. 1934, University of		Rickey, Isabelle Mary A.B. 1947, The George Washington	Tex.
M.D. 1938, Harvard University		University	
Rand, Alice Marion	Conn.	Ridpath, Robert Vance	Ind.
A B 1935, Wellesley College	2.6	Ries, Carl Gilbert	Wyo.
Randolph, Edgar Reed A.B. 1946, Yale University Raptes, M. Ted	Mass.	B.S. 1047. University of Wyoming Rifkind, Bernard David	Conn.
Raptes, M. Ted	Ohio	BS, 1941, Temple University	201111
B.S. 1945, Case Institute of		Riggs, Bradner Charles	Va.
Technology	Ohio	Riley, Jeremiah Thomas	Mont.
Rath, Robert Karl Rathff, William Richard	Ky.	Rissler, Robert Lorain	W.Va.
Ratner, Max	D.C.	A B 1947, Shepherd College Rizik, Jacqueline Suzanne	D.C.
Rea, James Magruder	Md.	A.B 1916 Trinity College	۵.٠.
A.B. 1943, University of Maryland	D.C.	Robbins, Charles Earl	La.
Reagan, James Edwin Reback, William	D.C.	Robbins, Glenn Kingsland	Mo.
Recktenwald Constance Eleanor	Pa	B S in Ch.E. 1947, Washington University	
A.B. 1945, University of Pittsburgh Recktenwald, William Elmer B.S. 1948, Purdue University	N.Y.	Roberts, Austin Leonard	N.J.
R S 10.8 Purdue University	M.Y.	A.B. 1941, College of William and	
Redd, Lavinia Lindsay	Va.	Mary	
A B 1915, Randolph-Macon College		LL B. 1948, The George Washington	1
Reed, Hallie Mac	Va.	Roberts, Jennings Nicholas	Va.
A B 1917, The George Washington University		A B 1939, Morris Harvey College	
Reed, Richard Carl	Iowa	LL B. 1943, LL.M. 1945, Georgeto	Wn
AB 1919, J.D. 1941, State University of Iowa		University Pohesta John Summerfield In	D.C.
Pool William Smith	Ky.	Roberta, John Summerfield, Jr. B.S. 1941, University of Virginia	D.C.
Reed, William Smith BS 1948, University of Kentucky	r.y.	Roberts, Perry Leonard	Va.
77 7 7 9 9907	3	B.S. 1918, Oklahoma Agricultural	
MIN. 1940, University of Wisconsin			
N. S. 1940, University of Wisconsin Reeder, Ronald Ronson	W.Va.	and Mechani il College	200
MIN. 1940, University of Wisconsin	W.Va.		D.C.

Robertson, Roser Earl HS. 1972, MS. 1972, MS. 1972, MS. 1972, MS. 1973, MS. 1974, MS.				
B.S. 1972; M.S. 1972; Massachusetts Listative of Technology Robinson, Mired Armold B.S. at M. E. tota, Astronitural and Mechanical Collage of Teas Robinson, Library Astronic Library Mechanical Collage of Teas Robinson, Library Mental Library Mechanical Collage of Teas Robinson, Library Mental Library Mechanical Collage Robinson, Library Mental Robinson, Freedowsk Lurdwig AB 1971; AM 1974; University of Robinson, Library Mental Robinson, Freedowsk Lurdwig AB 1972; Mental Robinson, Freedowsk Lurdwig AB 1974; AM 1974; University of Mental Robinson, Freedowsk Lurdwig AB 1974; AM 1974; University of Millary Males Robinson, Freedowsk Lurdwig AB 1974; AM 1974; University of Millary Males Robinson, Freedowsk Lurdwig AB 1974; Mental AB 1974	Robertson, Rose: Farl	Md.	Roylance, Donald Carvar	
Robinson, Alired Arroad As a M. Is too a Astronitural and Mechanical Collage of Tecase Robinson, Islands Robinson Liverson Robinson, Islands Robinson Liverson Ab 1971. AM 1974. University of Robinson, Islands Robinson	BS, 1742, MS 1942, Massachusetts		Russell, Denver Lee	DC.
Meshamizand Collance of Texas Rodo Meshamizand College control of the Part of	Institute of Technology		AB 1947, Mount Union College	11.
Mechanical Collage of Texas Rob ser, Itomics Mond, It. AB 1742, Brown University I D 15648, The George Washington University Residency Flag Residency Landwig Residency Flag Residency Residency Fla	Robinson, Altred Arnold	N.Y.	A R J L R 1008 Liniversity of	210.
Rod to see, Thomas Anomas Rod to see, I hor as Shorm, Rod to see, I hor as Bend, It. All 1942, Bowen University of University ID issay. The General Washington University Rodons, Frederical Landwig Rodons, Johnson Edwin Rodons, Paleby Ros. Rodons	BS (A) 1 1632, Agricultural and			
A B 1424. Beyon University of Landwig Washington University of Sections, John Man, 1921. University of Very and A M 1921. University of Very and A M 1921. University of Utah Washington University of Mex. of Washington University of Mex. of Washington University of Mex. of Security Of Washington University of Mex. of Washington University of Mex. of Security University Unive		DC		Pa.
A B 1942. Reven University of University of Very Revenue of Freebreak Landwig A3 1942. AM 1941. University of Notice Dame Revenue of Notice and Petter AB 1942. The sessite of Seranton Revenue of Notice and Petter Carl Petter AB 1942. The Sessite of Seranton Revenue Abrace Human AB 1942. National University of AB 1942. The sessite of Seranton Revenue Abrace Human AB 1944. The Sessite of Seranton Revenue Abrace Human AB 1944. The George Washington Concerns and Chinacesty Reduce. Call Petter AB 1944. AB 1944. The George Washington Concerns and Chinacesty Reduce. AB 1944. National University of Romero, Theadace Robert Research Human Service of Services. William Human Services AB 1944. Control University of Romero, Theadace Robert Road George Henry AB 1944. University of Florida Rose, Alian Castanal Service Charles (Service) AB 1944. Massachusetts Institute of Technology. Rose Charles Index 1947. Pennsylvania Service Charles (Service) AB 1944. Massachusetts Institute of Technology. Rose Charles (Service) AB 1944. Massachusetts Institute of Technology. Rose Charles (Service) AB 1944. Pennsylvania Service Charles (Service)	Rules or Iones Bond Ir	D.C.	BS 1948, University of Pittsburgh	
Use Actived Very Company of Name of Na	AB 1942. Brown University	D.C.	Rutledge, Jean Ann	D.C.
Use Actived Very Company of Name of Na	11) 1945. The George Washington		AB 1947, Indiana University	
N. 18. 1978. AM 1934. University of New York Radions, Pladip R. 2. R. Loren, Philip R. 2. B. S. 1984. R. M. 1935. University of Ltah. Ph. D. 1937. American University of Liversity of Science Roof George Henry A. B. 1934. The Boot of Science Roof George Henry A. B. 1934. The Boot of Science Roof George Henry A. B. 1934. The George Washington University of Liversity of L	Ur .vers.ty		Rutledge, John	
Reference Height Research College Research Research Height Research Research Height Research H		D.C.	Ryan, Charles Patrick	11' 1'a
BS 1 1924. American University Reseal W harm Maker Regions Hareal leabn A B 1942. To sessit of Sceanton Region National University Robert Wash and Delice Wash leaten University Robert Wash leaten B 1924. The George Wash leaten University of Mex to Romero, Mario Savedra A B 1942. The George Washington Linversity Robert William Hames DC. Romero, Mario Savedra A B 1942. National University of Mex to Romero, Mario Savedra A B 1942. National University of Mex to Romero, Mario Savedra A B 1942. National University of Mex to Romero, Mario Savedra A B 1942. National University of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Thoulore Robert Rammel, Wilfred H B.S. 1024. The George Washington University AB 1942. The George Washington Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. University of Motor University Of Mex to Romero, Mario Savedra A B 1942. University of Motor National University Of Mex to Robert Failur Arsonal National University Of National Universi			Kyan, John Howard	11.12.
BS 1 1924. American University Reseal W harm Maker Regions Hareal leabn A B 1942. To sessit of Sceanton Region National University Robert Wash and Delice Wash leaten University Robert Wash leaten B 1924. The George Wash leaten University of Mex to Romero, Mario Savedra A B 1942. The George Washington Linversity Robert William Hames DC. Romero, Mario Savedra A B 1942. National University of Mex to Romero, Mario Savedra A B 1942. National University of Mex to Romero, Mario Savedra A B 1942. National University of Mex to Romero, Mario Savedra A B 1942. National University of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Thoulore Robert Rammel, Wilfred H B.S. 1024. The George Washington University AB 1942. The George Washington Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. National University Of Mex to Romero, Mario Savedra A B 1942. University of Motor University Of Mex to Romero, Mario Savedra A B 1942. University of Motor National University Of Mex to Robert Failur Arsonal National University Of National Universi	D. L. B. L. B. L. B.	D.	Puen John Wante	1.1.
BS 1 1000. MS. 1010. University of Land. Put D 1012. American University of Read of Part of P	Radiona Pr. Lo R	D.C.	A.B. 1042 Durmouth College	
Road Wellam Waters Road Wellam Waters Road Wellam Waters Road Wellam Waters Road Sept. University Robert Edwin Robert Ro	BS 1 and MS 1040 University of	D.C.	Ryan, Mary Dolores	MJ.
Road Wellam Waters Road Wellam Waters Road Wellam Waters Road Wellam Waters Road Sept. University Robert Edwin Robert Ro	Ltuh		A.B. 1947. The George Washington	
Romeros Harrold Johnson AB 1972. University of Sachus Alleria College Roser Berns William Theodore Roser State William Theodore Roser William Theodore Roser William Theodore Roser State William Theodore Roser State William Theodore Roser State Rose	P! D 1947, American University		University	
Rev. Nathardel Hyman A B 1934, AM, 1935, New York University Robrer, Call Peller A B 1934, LI B 1934, The George Wash auton University Robrer, Call Peller A B 1934, LI B 1934, The George Wash auton University Robrer, William lames A B 1935, National University of Mexico Romero, Theodore Robert Rammel, Wilfiad II B.S. 1042, Theodore Robert Romero, Linversity of Florida Rose, Alban Costadi B.S. 1044, Massachusetts Institute of Technology Rose Charles Jules A.B. 1942, University of Florida R.J. B.S. 1044, Massachusetts Institute of Technology Rose Charles Jules A.B. 1942, University of Missouri Samowitz, Charles Salmer D.C. Salter, Eduta Assach R.J. B.S. 1044, Massachusetts Institute of Technology Rose Charles Jules A.B. 1942, The George Washington University Rose Charles Jules A.B. 1944, Callege of the City of New York Sames Mary Ann A.B. 1945, University of Missouri Samowitz, Charles Salmen Samowitz, Charles Salmen Samowitz, Charles Salmen D.C. Salter, Eduta Assachuse N.Y. Salter, Eduta Assachuse N.Y. Salter, Eduta Assachuse N.Y. Salter, Eduta Assachuse N.Y. Sa	Royal W Ham Walter		Ryan, Robert Edwin	
Rev. Nathardel Hyman A B 1934, AM, 1935, New York University Robrer, Call Peller A B 1934, LI B 1934, The George Wash auton University Robrer, Call Peller A B 1934, LI B 1934, The George Wash auton University Robrer, William lames A B 1935, National University of Mexico Romero, Theodore Robert Rammel, Wilfiad II B.S. 1042, Theodore Robert Romero, Linversity of Florida Rose, Alban Costadi B.S. 1044, Massachusetts Institute of Technology Rose Charles Jules A.B. 1942, University of Florida R.J. B.S. 1044, Massachusetts Institute of Technology Rose Charles Jules A.B. 1942, University of Missouri Samowitz, Charles Salmer D.C. Salter, Eduta Assach R.J. B.S. 1044, Massachusetts Institute of Technology Rose Charles Jules A.B. 1942, The George Washington University Rose Charles Jules A.B. 1944, Callege of the City of New York Sames Mary Ann A.B. 1945, University of Missouri Samowitz, Charles Salmen Samowitz, Charles Salmen Samowitz, Charles Salmen D.C. Salter, Eduta Assachuse N.Y. Salter, Eduta Assachuse N.Y. Salter, Eduta Assachuse N.Y. Salter, Eduta Assachuse N.Y. Sa	Roser Maron Laten	Md.	Rymer, Thomas Arrington	D.C.
Rotter, Carl Peller A B toya, LL B 1943, The George Wash auton University Rotter, Wilson Immes Romero, Mario Savedra A B 1947, National University of Mexico, North Dakota State School of Science Romero, Theodore Robert Romero, Theodore Robert Romero, North Dakota State School of Science Roed George Henry A B. 1943, University of Florida Rose, Alan Contabl B S. 1944, Massachusetts Institute of Technology Row Charles Joles Rose Charles Joles Rose Charles Joles Rose Charles Joles Rose Charles College Roser berg, Seymour Morton B I E 1944, Callege of the City of New York Roser berg, William Theodore Rose Samuel B. A B 1945, The George Washington University Roser berg, Seymour Morton B I E 1944, Callege of the City of New York Roser berg, William Theodore Rose Samuel B. A B 1945, The George Washington University Roser berg, William Theodore Rose, Samuel B. A B 1945, The George Washington University Roser berg, William Cheodore Rose, Samuel B. A B 1945, The George Washington University Roser berg, William Cheodore Rose Samuel B. A B 1945, The George Washington University Roser berg, William Cheodore Rose Samuel B. A B 1945, University of Notre Dame Rose, Samuel B. A B 1947, The George Washington University Salter, Falian Assach B.S. 1948, University of Missouri Samuels, Ioseph Paul B.S. 1948, William Cheodore Rose Samuel B. A B 1948, The George Washington University Roser berg, William Cheodore Rose Samuel B. A B 1948, The George Washington University Roser Berg,	AB 1947, University of Scranton	DC	B.C.F., 1948, Cornell University	
Roller. Carl Peller A B 1921. LL B 1931. The George Wash auton University Rollser. Walam hames Roll etc., Mario Navedra A B 1922. National University of Mex 10 Romero. Theodore Robert Rommel, Wilfrad H B.S. 1042. The George Blant Roll etc., Linuxersity of Florida Roll etc., Linuxersity of Roll etc., Linuxersity of Akron Sakar, Hiroshi B.S. 1044. Massachusetts Institute of Technolleave Roll etc., Linuxersity of Roll etc., Linux Assachus Roll etc., Linuxersity of Roll etc., Linuxersity of Akron Sakar, Hiroshi B.S. 1044. Massachusetts Institute of Technolleave Roll etc., Linuxersity of Roll etc., Linuxersity of Akron Sakar, Hiroshi B.S. 1044. Massachusetts Institute of Technolleave Roll etc., Linuxersity of Roll etc., Linuxersity of Akron Sakar, Hiroshi B.S. 1044. Massachusetts Institute of Technolleave Roll etc., Linuxersity of Roll etc., Linuxersity of Akron Sakar, Hiroshi B.S. 1044. Massachusetts Institute of Technolleave Roll etc., Linuxersity of Akron Sakar, Hiroshi B.S. 1044. Massachusetts Institute of Technolleave Roll etc., Linuxersity of Akron Sakar, Hiroshi B.S. 1044. Massachusetts Institute of Roll etc., Linuxersity of Akron Sakar, Hiroshi B.S. 1044. Massachusetts Institute of N.J. B.S. 1045. Connell University N.J. B.S. 1046. Mext Virginia B.S. 1046. West Virginia University N.Y. Samber, Endward Excent N.J. B.S. 1046. West Virginia University N.Y. Samber, Beneville College Sanders, Lowell Lawrence B.S. 1046. West Virginia Polytechnic Institute Roll and the City of New York Sanders, Lowell Lawrence Roll and the City of New York Sanders, Lawrence Richard N.J. B.S. 1046. West Virginia University N.M. Sanders, Lowell Lawrence B.S. 1046. West Virginia University N.M. Sanders, Lowell Lawrence B.S. 1044. Indiata University N.J. B.S. 1046. Connell University N.J. Sanders, Lawr	A R mar A M mar New York	D.C.	S	
Robert Carl Pedfer A B 1931. LL B 1931. The George Wast action University Robert William Issues Robert Wast and Issues A B 1945. National University of Mexico. A B 1945. North Dakota State School of Science Rood George Henry A B 1945. North Dakota State School of Science Rood George Henry A B 1945. University of Florida Rose, Alan Cortaid B.S. 1944. Massachusetts Institute of Technicleus Rose Charles Isles A.B. 1945. University of Salient Arsold University Salizman, Max Herbert N.Y. Salient Arsold Easten D.C. Salient Arsold University Salizman, Max Herbert N.Y. Salizman, Max Herbert Salient Arsold Easten D.C. Salient Arsold University Salizman, Max Herbert N.Y. Sames Mary Ann A B 1945. University of Missouri Sames Mary Ann A B 1944. University of Missouri Sames Mary Ann A B 1944. University Sames Mary Ann A B 1944. University Sames Mary Ann A B 1944. The George Washington University Sameles, Ben P. Sander, Dora Albert N.Y. Sameles, Ben P. Sander, Dora Md. A B 1944. The George Washington University Sanders, Lawell Lawrence D.C. A B 1944. The George Washington University Sanders, Lawell Lawrence D.C. A B 1944. The George Washington University Salizance, John Albert D.C. A B 1944. Whitworth College Sanders, John Albert D.C. A B 1944. Whitworth College Sanders, John Albert D.C. A B 1944. Whitworth College Sanders, John Albert D.C. A B 1944. Whitworth College Sanders, John Albert D.C. A B 1944. Whitworth College Sanders, John Albert D.C. A B 1944. Whitworth College Sanders, John Albert D.C. A B 1944. Whitworth College Sanders, John Albert D.C. A B 1944. Whitworth College Sanders, John Albert D.C. A B 1944. Whitworth College Sanders, John Albert D.C. A B 1944. Whitworth College Sanders, John Albert D.C. A B 1944. Whitworth College Sanders, John Charles Rechard D.C. A B 1945. University Sanders David Rechard D.C. A B 1945. College of the City of North Albert D.C. A B 1945. University Sanders David Rechard D.C. A B 1945. University Sanders David Rechard D.C. A B 1945. University Sanders David Rechard D.C. A B 1945. Uni	University			DC
A B 1031, Ll. B 1031, The George Was action University Robert William lames Rot etc. Milliam lames Rot etc. Milliam lames Rot etc. Mation Navedra A B 1036, National University of Mex. 10 Mex	Robrer, Carl Peffer	Va.		1. 1.
Robert, William James Robert, Warno Savedra A B 1945, National University of Mex. o Romero, Theo lore Robert Rammel, Wilfied II B.S. 1945, National University of Oil Science Robert Rob	AB 1911, LL B 1911, The George			
Romero, Mattool Novedral A B 19219, National University of Mexico Romero, Thousdore Robert Rommel, Wiffield II B.S. 1942. North Dakota State School of Science Rood George Henry A B 1942. The George Washington University Rose Charles Jules A.B. 1944. Charles Robert Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Rose Charles Jules A.B. 1944. The George Washington University Sammer David Fixtene Salter, Faint Arasada A.B. 1949. University of Air No. A.B. 1949. University Salmen Max Herbert Sammer David Fixtene Salter, Faint Arasada A.B. 1949. University of Mossouri Sammer David Fixtene Salter, Faint Arasada A.B. 1949. University of Missouri Sammer David Fixtene Salter, Faint Arasada A.B. 1949. University of Mossouri Sammer David Fixtene Salter, Faint Arasada A.B. 1949. University of Mossouri Sammer Max Herbert Sammer Max	Wash ryton University		New York	
A B 1930, National University of Mexico Mexico Romero, Theodore Robert Rommel, Wilred II B.S. 1042, North Dakota State School of Science Rod George Henry A.B. 1942, University of Florida Rose, Alan Conand B.S. 1044, Massachusetts Institute of Technology Rose Charles Jules A.B. 1942. The George Washington University Rose Danald Lewis B.S. in Ch. h. 1947, Pennsylvania State College Rose berg, Seymour Morton B.I. E. 1944, Callege aff the City of New York Rose berg, William Theodore Rose Samuel B. 1946, University A.M. 1921, Ph.D. 1931, Columbia University A.M. 1922, Ph.D. 1931, Columbia University Rossa, Henry Roskin, Irvana Lacob B.S. 1948, The George Washington University Rossa, Henry Rossa			Sadur, Marvin Phillip	D.C.
Mex. 10 Romero, Theoslore Robert Rommel, Wilfred H Romero, North Dakota State School of Science Rood George Henry A.B. 1942, University of Florida R.S. 1944, Massachusetts Institute of Technology Rose Charles Inles A.B. 1945, University of Florida R.S. 1945, University of Florida R.S. 1945, The George Washington University Rose Datable Lewis R.S. 1945, Ph.D. 1947, Pennsylvania State College Rose been, William Theodore Rose Serie, William Theodore Rose State, John Id Carl R.S. 1945, University of Notre Dame Rose, Samuel B, A.B. 1921, Ph.D. 1931, Columbia University A.M. 1922, Ph.D. 1931, Columbia Polytechnic Institute Roubindensix Ramon Arthur Roseaus, Theoslore Rose Rose Theory Roses, Harry Rose Rose, Theory Rose Rose Rose Rose Connell University Salate, Educate Rosend R.S. 1946, University of Rose Rose Charles Sciency R.S. 1948, College of Missouri Samowatz, Charles Sciency R.M. 1948, The George Washington University A.B. 1948, The George Washington University A.B. 1944, Indiana University Savance, Rubert Frank R.S. 1948, The George Washington University Rossac, Rosend Indiana University Savance, Rubert Frank R.S. 1948, The George Washington University Rose Rose Rose Rose Rose Rose Rose D.C. A.B. 1944, University of Pathological R.J. R.J. R.S. 1948, Charles Sciency R.A.B. 1949, University of Missouri Salter, Educate Rosed R.S. 1949, University of Missouri R.J. R.J. R.J. 1949, University of Missouri R.J. R.J. R.J. 1949, University of Missouri R.J. 1949, Charles Sciency R.A. B. 1949, University Salter, Educate D.C. Rose Rose Rose Rose Rose D.C. Rose Rose Control A.B. 1949, University Salter, Educate Rose D.C. Rose Rose Control A.B. 1949, University Salter, Educate Rose D.C. Rose Rose Control A.B. 1949, University Salter, Educate D.C. Rose Rose Rose Rose Rose D.C. Rose Rose Rose Rose Rose Rose D.C. Rose Rose Rose Rose Rose D.C. Rose Rose Rose Rose Rose Rose D.C. Rose Rose Rose Rose Rose Rose D.C. Rose Rose Rose Rose Rose Rose Rose D.C. Rose Rose Rose Rose Rose Rose Rose Rose	Rot ero, Vlario Savedra	lex.	AB. 1947. The George Washington	
Romero, Theodore Robert Rommel, Welfred H B.S. 1047, North Dakota State School of Science Rood George Henry A.B. 1542, University of Florida Rose, Alan Costada B.S. 1044, Massachusetts Institute of Technology Roe Charles Jules A.B. 1942, The George Washington University Rose Dotable Lewis B.S. in Ch. E. 1947, Pennsylvania State College Roser beng, Seymour Morton B.I. E. 1944, Cellber of the City of New York Roser beng, William Theodore Roser beng, William Theodore Roses beng, William Theodore Roses beng, William Theodore Roses Latty, It B.S. 1945, University of Notre Dame Ross, Namuel B. A.B. 1942, Ph.D. 1941, Columbia University A.M. 1943, Ph.D. 1941, Columbia University Rosse, Henry	A D 1919, National University of			2. 21
Rommel, Welfred H B.S. 1047. North Dakota State School of Science Rood George Henry A.B. 1542. University of Florida Rose, Al. in Custad B.S. 1044. Massachusetts Institute of Technology Roe Charles Jules A.B. 1942. The George Washington University Rose Danald Lewis B.S. in Ch.B. 1947. Pennsylvania State College Roser berg, Seymour Morton B.I. E. 1944. Cellege in the City of New York Roser beng, William Theodore Rose Mairy, Ir Roser beng, William Theodore Rose Mary, Ir Roser Mary, Ir Rose Harty, I	Romero Theodore Robert	Md	A P and Canal Hairman	.1.1.
B.S. 1042. North Dakota State School of Science Rood George Henry A.B. 1042. University of Florida Rose, Al. In Contact B.S. 1044. Massachusetts Institute of Technology Roe Charles Jules A.B. 1042. The George Washington Rec Donald Lewis B.S. in Ch.E. 1047. Pennsylvania State College Rosenberg, Seymour Morton B.I. 1043. Cellege of the City of New York Resemberg, William Theodore Rosenberg, Wi			St John Charles R chard	Ohio
of Science Rood George Henry A.B. 1917, University of Florida Rose, Al. in Got and B.S. 1944, Massachusetts Institute of Technology Rose Charles Joles A.B. 1942. The George Washington University Rose Donald Lewis B.S. in Ch.E. 1947, Pennsylvania State College Rose berg, Neymour Morton B.I. E. 1944, Cellege of the City of New York Rosenberg, William Theodore Rose of al. Ann Henry Rosenberg, William Theodore Rose of al. Ann Henry Rosen, Henry Ro				Onio
A.B. 1942. University of Florida Rose, Ala n Cortad B.S. 1044. Massachusetts Institute of Technology Rose Charles Jules A.B. 1942. The George Washington University Rose Donald Lewis B.S. in Ch.E. 1947. Pennsylvania State College Roset berg, Seymour Morton B.I. 1943. Cellege of the City of New York Rosenberg, William Theodore Rose and Man Henry Roses Hatty, It B.S. 1946. University of Notre Dame Rose, Namuel B. A.B. 1945. The George Washington University Rose, Henry Rose and Man Henry Rose and R		-	Sakai, Hiroshi	Hawaii
B.S. 104.1 Massachusetts Institute of Technology Roe Charles Irles A.B. 1042. The George Washington University Roe Charles Irles A.B. 1042. The George Washington University Roe Charles Irles A.B. 1042. The George Washington University Roe Charles Irles A.B. 1042. The George Washington University Roe Charles Irles B.S. in Ch. E. 1047. Pennsylvania State College Rose Derg, Seymour Morton B.I. E. 1044. Cellege in the City of New York Rosenberg, William Theodore Rose Val. Am Illeny Rose Derg, William Theodore Rose Val. Donald Carl B.S. 1046. West Virginia University D.C. A.B. 1042. Radeliffe College N.C. Rosenberg, William Theodore Rose Val. Mathematical University A.B. 1044. The George Washington University Rossi, Henry Rosen,		Fla.	Saurenas David Entene	1) (
B.S. 1044. Massachusetts Institute of Technolowy Roe Charles Iules A.B. 1942. The George Washington University Rose Datald Lewis B.S. in Ch. E. 1947. Pennsylvania State College Roser berre, Seymour Morton B.E. 1944. Cellege in the City of New York Roser berre, Seymour Morton B.E. 1944. Cellege in the City of New York Roser berre, William Theodore Roser berre, Seymour Morton Roser berre,	A.B. 19.19, University of Florida	NT T	Salter, Falsot Arnold	R_I
Technology Rose Charles Jules A.B. 1942. The George Washington University Rose Donald Lewis B.S. in Ch.E. 1947. Pennsylvania State College Rose berg, Neymour Morton B.I. E. 1944. Cellege of the City of New York Rosenberg, William Theodore Rose of al. Ahan Henry Rosenberg, William Theodore Rose of al. Ahan Henry Roses Hattiv, It B.S. 1946. University of Notre Dame Roses, Namuel B. A.B. 1921. Pitt University A.M. 1921. Ph.D. 1931. Columbia University Rosen, Henry Rosen,		N.J.	B.S. in Mr. 1946, Brown Universit	A . 6.
Rose Charles Joles A.B. 1942. The George Washington University Rose Donald Lewis B.S. in Ch. E. 1947. Pennsylvania State College Rosen bens, Seymour Morton B.E. 1944. Cellege of the City of New York Rosen bens, William Theodore Rosen William Theodore Rosen bens, William Theodore Rosen Walt, University of Notre Dame Rose, Samuel B. B.S. 1945. University of Notre Dame Rose, Samuel B. B.S. 1945. University of Notre Dame Rose, Samuel B. B. 1921. Ph.D. 1931. Columbia University Rosen, Henry Rosen, William Henry Rosen, William Henry Rosen, Henry Rosen	Technology			
A.B. 1942. The George Washington University Rec Donald Lewis B.S. in Ch. E. 1947, Pennsylvania State College Rosen berg, Seymour Morton B.I. E. 1943. Cellege of the City of New York Resemberg, William Theodore Rosen berg, Seymour Morton B.I. 1944. Cellege of the City of New York Samuels, loseph Paul B.S. 1946. West Virginia University A.B. 1945. West Virginia University A.B. 1948. The George Washington University Rosen, Henry Rosen, Rosen Rosen P. Rosen Rosen, Rosen Rosen Rosen Rosen Rosen Rosen		W.Va.	AR 1012 University of Missouri	.010.
Rose Donald Lewis B.S. in Ch. E. 1947, Pennsylvania State College Rose Derg, Seymour Morton B.I. E. 1944, Cellege of the City of New York Rosen berg, Neymour Morton B.I. E. 1944, Cellege of the City of New York Rosen berg, William Theodore Rose Val Alan Henry Roses Donald Carl B.S. 1946, West Virginia University D.C. A.B. 1927, Frank Powell D.C. A.B. 1924, Indiana University Sanders, Lowell Lawrence B.S. 1946, West Virginia University N.M. A.B. 1924, Radchiffe College N.C. Pa. A.B. 1924, The George Washington University Rosen, Henry Rosen, Henr	A.B. 1942. The George Washington		Samowitz Charles Sulney	N.Y.
B. S. in Ch. E. 1947, Pennsylvania State College Roset berg, Seymour Morton B. I. E. 1944, Cellege of the City of New York Rosenberg, William Theodore Rose of al. Man Henry Rose of al. Man Loga of R			BME 1948, College of the City of	
Roser berre, Seymour Morton B I E. 1024, Cellege of the City of New York Roser benr. Welliam Theodore Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Roser benr. Welliam Rose Roser Washington University Sanders, Isaak Powell Roser, Lowell Lawrence Roser benr. Welliam Rose Roser Washington University Sanders, Isaak Powell Roser Benr. P. Roser benr. Welliam Rose Roser Washington Roser benr. Welliam Roser Roser Washington Roser benr. Welliam Roser Roser Roser Washington Roser benr. Welliam Roser R	Rise Donald Lewis	Pa.	New York	
Roser berre, Seymour Morton B I E. 1024, Cellege of the City of New York Roser benr. Welliam Theodore Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Rose I di Man Henry Roser benr. Welliam Theodore Roser benr. Welliam Rose Roser Washington University Sanders, Isaak Powell Roser, Lowell Lawrence Roser benr. Welliam Rose Roser Washington University Sanders, Isaak Powell Roser Benr. P. Roser benr. Welliam Rose Roser Washington Roser benr. Welliam Roser Roser Washington Roser benr. Welliam Roser Roser Roser Washington Roser benr. Welliam Roser R	B.S. in Ch. P. 1947, Pennsylvania		Samuels, Joseph Paul	W.Va.
B I F. 1944, Cellege of the City of New York Rosen beat. William Theodore Rose of al Alan Henry Rosen beat. William Theodore Rose of al Alan Henry Rose of al Alan Henry Rose of the College Standers, Frank Powell D.C. Ross Harry, Ir B S 1946, University of Notre Dame Rose, Samuel B. A B 1921, Pitt University Rosen, Henry Rosen, H	D. or burn Surmous Mosson	NIV	BS. 1946, West Virginia University	2:24
Roser-bent, Well-tam Theodore Roser Id. Man Henry Roser-bent, Well-tam Theodore Rose Id. Man Henry Roser-bent, Well-tam Theodore Rose Id. Man Henry Roser-bent Well-tam Henry Roser-bent Well-tam Henry Roser Id. Man Henry Roser Id. Man Henry Roser Henry Roser, Pitt University Roser, Frank Powell Sanders, John Albert A B 1928, The George Washington University Roser, Lowell Lawrence B S 1944, Indiata University Savance, Islam Savance, Robert Franck D C. Savance, Robert Franck B S 1944, Indiata University Savance Will an Alven NY. Roser Bent Washington University Roser, Henry	B.I. F. 1944 College of the City of	14.1.		
Roser-bent, Well-tam Theodore Roser Id. Man Henry Roser-bent, Well-tam Theodore Rose Id. Man Henry Roser-bent, Well-tam Theodore Rose Id. Man Henry Roser-bent Well-tam Henry Roser-bent Well-tam Henry Roser Id. Man Henry Roser Id. Man Henry Roser Henry Roser, Pitt University Roser, Frank Powell Sanders, John Albert A B 1928, The George Washington University Roser, Lowell Lawrence B S 1944, Indiata University Savance, Islam Savance, Robert Franck D C. Savance, Robert Franck B S 1944, Indiata University Savance Will an Alven NY. Roser Bent Washington University Roser, Henry	You York			Mid.
Ross Harry, It B S trads, University of Notre Dame Ross, Samuel B. A B 1921, Pitt University A M 1921, Ph.D. 1931, Columbia University Rossi, Henry Roskin, Irvens Lacob B S m M E 1946, Virginia Polytechnic Institute Roubileaux, Ramon Arthur Rosmac, Theodore C A B 1944, The George Washington University Rossar, E large Calif. NY. S.D. D.C. A B 1943, The George Washington University Rossar, Liveria Everett Rowan, Fuscule Francis B S, 1948, University of Virginia Rowe, Willis Case Row-Willis Case Row-	Roser beng, William Theodore	Ohio		1.0
Ross Harry, It B S trads, University of Notre Dame Ross, Samuel B. A B 1921, Pitt University A M 1921, Ph.D. 1931, Columbia University Rossi, Henry Roskin, Irvens Lacob B S m M E 1946, Virginia Polytechnic Institute Roubileaux, Ramon Arthur Rosmac, Theodore C A B 1944, The George Washington University Rossar, E large Calif. NY. S.D. D.C. A B 1943, The George Washington University Rossar, Liveria Everett Rowan, Fuscule Francis B S, 1948, University of Virginia Rowe, Willis Case Row-Willis Case Row-	Received Man Henry	DC.		Pa.
Ross Harry, It B S trads, University of Notre Dame Ross, Samuel B. A B 1921, Pitt University A M 1921, Ph.D. 1931, Columbia University Rossi, Henry Roskin, Irvens Lacob B S m M E 1946, Virginia Polytechnic Institute Roubileaux, Ramon Arthur Rosmac, Theodore C A B 1944, The George Washington University Rossar, E large Calif. NY. S.D. D.C. A B 1943, The George Washington University Rossar, Liveria Everett Rowan, Fuscule Francis B S, 1948, University of Virginia Rowe, Willis Case Row-Willis Case Row-	Reserved, Donald Carl	D.C.	A B 1948. The George Washington	
A M 102 1, Ph.D. 1931, Columbia University Roses, Henry Roses, William Roses Roses, Argentored University Schaffer, William Roses Roses, Roses, Roses Roses, Henry Roses, Hen	Ross Harry, It	Md.	University	
A M 102 1, Ph.D. 1931, Columbia University Roses, Henry Roses, William Roses Roses, Argentored University Schaffer, William Roses Roses, Roses, Roses Roses, Henry Roses, Hen	D S 1946, University of Notre Dame	DC		Ind.
A M 102 1, Ph.D. 1931, Columbia University Roses, Henry Roses, William Roses Roses, Argentored University Schaffer, William Roses Roses, Roses, Roses Roses, Henry Roses, Hen	A R 1021 Pice I Inimerates	DC.		DC
University Rosen, Henry Rosen, Irving Lacob BS m ME 1946, Virginia Polytechnic Institute Roubideaux, Ramon Arthur Rosenel, Theology C AB 1944, The George Washington University Roman, Fugene Francis BS, 1948, University of Virginia Rowen, Fugene Francis BS, 1948, University of Virginia Rower, Willis Case Roward, Fugene Francis BS, 1948, University of Virginia Rower, Willis Case Roward, Fugene Francis BS, 1948, University of Virginia Rower, Willis Case Roward, Fugene Francis BS, 1948, University of Virginia Rower, Willis Case Roward, Fugene Francis BS, 1948, University of Virginia Rower, Willis Case Roward, Fugene Francis BS, 1948, University of Virginia Rower, Willis Case Roward, Fugene Francis BS, 1948, University of Virginia Rower, Willis Case Roward, Fugene Francis BS, 1948, University of Virginia Rower, Willis Case Roward, Fugene Francis BS, 1948, University Schappert, Joseph Matthew NY.	111 1701, 8 111 0 0000013117			DC.
Rockin, Irving Jacob B S in M E 1946, Virginia Polytechnic Institute Roubileaux, Ramon Vithur Rosmel, Theodore C AB 1944, The George Washington University Rouser, Furger Francis B S, 1948, University of Virginia Rower, Willia Case Rower, Malla Case D.C. B S 1925, Star ford University Sarbert och Lines K. Seriet Ar Biologic Lines K. Va. AB 1946, University Schaffer, Welliam John D.C. B S 1925, The George Washington University B S, 1948, University of Virginia Rower, Willia Case N.Y. Schaffer, Welliam John D.C. B S 1925, The George Washington University Schaffer, Frederick N.Y. B S 1925, The George Washington University Schaffer, Welliam John D.C. Schaffer, Welliam John Schaffer, Welliam John University Schaffer, Welliam John D.C. Schaffer, Welliam John N.Y. Schaffer, Welliam John N.Y. Schaffer, Welliam John University Schaffer, Welliam John Schaffer, Welliam John University Schaffer, Welliam John N.Y. Sc			AR Las Warth College	D.C.
Rockins, Inventy Liceby B S on M E 1946, Virginia Polytechnic Institute Roubilea X, Ranon Arthur Roseal, Theodore C AB 1994, The George Washington University Rossar, I dward Everett Rossan, Fuscine Francis B S, 1945, University of Virginia Rowe, Willis Case Rowar, Bernard N.J. AB 1949, The George Washington Chiversity Schafer, Frederick B S 1945, University of Pittsburgh Cultiversity LL B 1925, Georgetown University Schappert, Joseph Matthew N.Y.	Dores Harres		Savare, William Alvin	Calif.
Roubeleast, Ranson Arthur Rosmel, Theolore C AB 1948, The George Washington University Rossar, Fuscus Francis BS, 1948, University of Virginia Rowe, Willis Case Rowar, Bernard NJ. AB 1948, The George Washington University Schaffer, Walliam Iohn AB 1949, University of Pittsburgh Schaffer, Frederick BS, 1948, University of Virginia Rowe, Willis Case Rowarz, Bernard NJ. AB 1948, The George Washington University Schaffer, Frederick BS, 1948, George Washington University Schaffer, Frederick Schaffer,	Rothin, Irving Jacob	N.Y.		
Roubeleast, Ranson Arthur Rosmel, Theolore C AB 1948, The George Washington University Rossar, Fuscus Francis BS, 1948, University of Virginia Rowe, Willis Case Rowar, Bernard NJ. AB 1948, The George Washington University Schaffer, Walliam Iohn AB 1949, University of Pittsburgh Schaffer, Frederick BS, 1948, University of Virginia Rowe, Willis Case Rowarz, Bernard NJ. AB 1948, The George Washington University Schaffer, Frederick BS, 1948, George Washington University Schaffer, Frederick Schaffer,	BS in MF 1046, Virginia		Scarboro ch lanes K.	
Rossard, Theodore C AB 1944. The George Washington University Rossar, Edward Everett Rossar, Edward Experence BS, 1945. University of Virginia Rowe, Willis Case Rowser, Bernard D.C. Linewesty Schaefer, Frederick BS, 1945. University of Virginia Rowe, Willis Case D.C. Linewesty Schaefer, Frederick BS, 1945. The George Washington Linewesty Schaefer, Frederick BS, 1945. The George Washington Linewesty Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, Justin Iohn AB 1946. The George Washington D.C. Schaefer, Frederick BS, 1945. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, Frederick BS, 1945. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, Frederick BS, 1945. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, William Iohn AB 1946. The George Washington D.C. Schaefer, William I		c D	Service, Argono John	12.
A.B. 1974. The George Washington University Roisar, Edward Everett Rowan, Fusene Francis B.S. 1945. University of Virginia Rowe, Willis Case Rowar, Bernard Okla. N.Y. B.S. 1945. University of Virginia Rowe, Willis Case N.J. Schafe, F. William Iohn A.B. 1940. University of Pittsburgh D.C. B.S. 1945. The George Washington University LL.B. 1925. Georgetown University N.Y.	Russel Theology C			
University Rousar, I liw rid Everett Rowan, Fuseus Francis B S. 1948. University of Virginia Rowe, Willis Case Row-22. Bernard A B 1949. University of Pittsburgh Schalfer, Frederick N.Y. B.S. 1928. The George Washington University LL B 1928. Georgetown University Schappert, Joseph Matthew N.Y.	AB that The George Washington	6,		DC
Rousar, Is dward Everett Rowan, Fanciae Francis Row, Willis Case Rowetz, Bernard Okla. Schafer, Frederick N.Y. B.S. 1925, The George Washington University LI, B. 1925, Georgetown University N.Y. Schappert, Joseph Matthew N.Y.			AR 1010 University of Pittsburgh	27.6.
Rowan, Furence Francis BS, 1948, University of Virginia Rowe, Willis Case Rower, Bernard NY. BS, 1928, The George Washington University LL B 1928, Georgetown University Schappert, Joseph Matthew NY.	Rousar, Edward Everett		Schafer, Frederick	D.C.
B S. 1948. University of Virginia Rowe, Willis Case Row-2z, Bernard N.J. Schappert, Joseph Matthew N.Y.	Rowan, Fugene Francis	V. I.		
Row.tz, Bernard N.J. Schappert, Joseph Matthew N.Y.	B.S. 1945, University of Virginia	53 6	Un versity	
				2. 21
A.D. 1945, Rutkets University A.B. 1945, Queens College	Rowitz, Bernard	N.J.		. Y.
	A.D. 1945, Rutkers University		A. D. 1948, Queens Conege	

Scherer, Joseph Samuel Scherer, Schonon A.B. 1049, The George Washington University Schmetter, Robert Colgan, Jr. B.S. in E.E. 1943, Primoton University Schmetter, Robert Colgan, Jr. B.S. in E.E. 1943, Primoton University Schmetter, Robert Colgan, Jr. B.S. in E.E. 1943, Primoton University Schmetter, Robert Colgan, Jr. B.S. in E.E. 1945, Primoton University Schmetter, Robert Colgan, Jr. B.S. in E.E. 1945, Primoton University Schmetter, Robert Colgan, Jr. B.S. in E.E. 1945, Primoton University Schmetter, Robert Colgan, Jr. B.S. 1048, University of Michigan Schmeider, Walter Henry B.S. 1048, University of Michigan Schmeider, Walter Henry B.S. 1048, University of Michigan Schmeider, Walter Marker B.S. 1048, University of Michigan Schweider, Marker B.S. 1048, University Schmetter, Marker B.S. 1048,				NIV
A.B. 1945, University of Oklahoma University Schmertz, Robert Colgan, Jr. B.S. in E.E. 1943, Princeton University Schmeiter, Robert College Schmeiter, Robert College Schmeiter, Robert College Schwartz, Bordh John D. Schneiter, Robert College Schwartz, Bordh John D. Schneiter, Euleun Roy Schmeiter, Linitiute Scholtz, Edward Karl Schonberger, Euleun Schonberger, Eul	Schenck, Joseph Samuel	N.C.	Sherman, Benjamin	N.Y.
Chieversity Schmertz, Robert Colgan, Jr. B.S., in E.E. 1943, Princeton University Schmertz, Robert Colgan, Jr. B.S. 1942, University of Michigan Schneider, Homer James B.S. 1942, University of Wisconsin Schneider, Homer James B.S. 1943, University of Wisconsin Schneider, Homer James B.S. 1943, University of Wisconsin Schneider, Malter Henry B.S. 1943, University of Wisconsin Schneider, Malter Henry B.S. 1943, University of Washington University Scott, David Alan A.B. 1940 Hooker A.B. 1940, Mullienberg College Schultz, Jehn Hooker B. 1947, University of Wisconsin B. 1948, University of Wisconsin B. 1949, University of Wi	A R 1040 The George Washington	14.1.	Sherman, Fred	Va.
B.S., in E.E. 1943, Princeton University Schneider, Edward Rarl Schoeler, Homer James B.S. 1948, Virginia Polytechnic Institute Schoeler, Walter Henry B.S. 1940, Virginia Polytechnic Institute Choltz Edward Karl Schoseler, John D. B.S. 1950, Gettysburg College Schultz, Herman D. Schultz, John Hooker Schoseler, John D. B.S. 1950, Gettysburg College Schultz, Herman D. Schultz, John Hooker Schoseler, John D. B.S. 1950, Gettysburg College Schultz, John Hooker Schoseler, John D. B.S. 1950, Gettysburg College Schultz, John Hooker Schoseler, John Globo Schwartz, Dorothy Louise A.B. 1948, Edward A.B. 1948, University A.M. 1946, Columbia University Seman, Leelie Thomas Schwartani, Angelo James B.S. 1950, Walter Herry B.S. 1950, Walter Herry University Scholer, Flagmard A.B. 1948, University of Michigan Schwart, Leel George Washington University Scholer, Herry B.S. 1950, Gettysburg College Schadowen, Cyril Eugene Scholer, Walter Henry Schoultz, John Gibboo Schwart, Lord, Columbia University A.M. 1946, Columbia University A.B. 1948, University of Michigan Schwart, John Gibboo Schwart, Lord, Michigan Schwart, Lord, Michigan Schwart, John Gibboo Schwart, Lord, Michigan Schwart, John Gibboo Schwart, Lord, Michigan Schwart, John Gi	University	_	A.B. 1914, University of Oklahoma	N. T
Schneiter, Edwin Roy A.B. 1948, University of Michigan Schneider, Homer James B.S. 1944, Virginia Polytechnic Institute Scholtz, Edward Karl Schonberger, Eugene Schostler, John D. B.S. 1950, Gettysburg College Schultz, Herman D. Schustz, John Hooker Schwartz, Dorothy Louise A.B. 1946, Columbia University Scott, David Alan A.B. 1946, Columbia University Scott, David Alan B.S. 1946, Columbia University Sedman, Michael Edward Sedman, Michael Edward Sedman, Michael Edward Sedman, Loyd Milliam Robert A.B. 1946, Columbia University Sedman, Loyd Allen Shore, Jacob D.C. Schwartz, Dorothy Louise A.B. 1947, The George Washington University Scott, David Alan B.S. 1946, Columbia University Sedman, Loyd, Milliam Robert A.B. 1946, Columbia University Sedman, Loyd, Muhlenberg College Sedman, Loyd, Muhlenberg College Sed, Richard Warren B.S. 1942, University of Missouri Shadowen, Cyril Eugene Shafer, Earl Edward Shapiro, Nelson Hirsh B.E. L. 1948, Indiana Polytechnic Institute Onto New York A.M. 1946, Columbia University Shapiro, David, University of Missouri Shapiro, Nelson Hirsh B.E. L. 1948, University of Missouri Shapiro, Nelson Hirsh B.E. L. 1948, University of Missouri Shapiro, David Hirsh B.E. L. 1948, University of Missouri Shapiro, David Missouri Shapiro, David Missouri Shapiro, David Missouri Shapiro, Nelson Hirsh B.E. L. 1949, University of Missouri Shapiro, Nelson Hirsh B.E. L. 1949, University of Missouri Shapiro, Nelson Hirsh B.E. L. 1949, University of Missouri Shapiro, Nelson Hirsh B.E. L. 1949, University of Missouri Shapiro, Nelson Hopkins University Shapiro, David Missouri Shapiro, Nelson Hirsh B.E. L. 1949, University of Missouri Shapiro, Nelson Hirsh B.E. L. 1949, University of Missouri Shapiro, Nelson Hirsh B.E. L. 1949, University of Missouri Shapiro, Nelson Hirsh B.E. L. 1949, University of Missouri Shapiro, Nelson Hirsh B.S. 1947, University of Maryland L.B. 1948, Co	Schmertz, Robert Colgan, Jr.	Pa.	Shesser, Ira	
Schneider, Edwar Roy A.B. 1048, University of Michigan Schneider, Homer James B.S. 1043, Usirerist of Wisconsin Schneider, Malter Henry B.S. 1043, Virginia Polytechnic Institute Scholtz, Edward Karl Schonberger, Eurene Schosider, John D. B.S. 1050, Gettyaburg College Schultz, Herman D. Schaultz, John Hooker A.B. 1046, University of Michigan Schwartz, Dorochy Louise A.B. 1046, Columbia University Schwartz, Dorochy Louise A.B. 1046, Columbia University Schwartz, Dorochy Louise B.S. 1041, Phe George Washington Schwartz, Dorochy Louise B.S. 1043, Whitenberg College Schwartz, Angelo James B.S. 1043, Whitenberg College Schwartz, Chronics B.S. 1043, University of Scranton Schwartz, Chronics B.S. 1043, Whitenberg College Schwartz, Chronics B.S. 1044, California Institute of Technology Seidel, Arthur Harris B.S. 1044, California Institute of Technology Seidel, Arthur Harris B.S. 1043, College of the City of New York A.M. 1043, College of the City of New York A.M. 1043, College of the City of New York A.M. 1043, College of the City of New York Shadower, Crif Eugene Shadow	B.S. in E.E. 1943, Princeton		A.B. 1040. Bowling Green State	
A.B. 1948. University of Michigan Schneider, Walter Henry B.S. 1943, University of Missouri Schneider, Walter Henry B.S. 1945. 1945. Institute Scholtz Edward Karl Schonberger, Eurene Schossler, John D. G. B.S. 1950, Getryburg College Schonberger, Eurene Schossler, John D. Getryburg College Schonberger, Eurene Schossler, John D. Getryburg College Schonberger, Eric Adolph Schwartz, Dorothy Louise A.B. 1947. The George Washington University Scaman, Lealie Thomas Schossler, John Gibson B.S. 1947. University of Scranton Schmid, Angelo James B.S. 1948. 1949. Whitehal Edward A.B. 1949. Mitchael Edward A.B. 1949. College Schearin, John Gibson Starnas, James George Shadowen, Cyril Eugene Shapp. Daniel DeWitt B.S. in E.E. 1949. Northeastern University Sharratt, George Schearin, Plummer Mustian B.S. 1956. Wash Foot Sheed, Irving A.B. 1943. Kidmore College Sheeran, James Joseph Sheeskin, Iacob Sheff, Irving A.B. 1943. University of Missouri Sheaf, H. Joan A.B. 1943. Kidmore College Sheeran, James Joseph Sheeskin, Iacob Sheff, Irving A.B. 1944. Willard State College Sheeran, James Joseph Sheeskin, Iacob Sheff, Irving A.B. 1944. Willard State College Sheeran, James Joseph Sheeskin, Iacob Sheff, Irving A.B. 1944. Willard State College Sheeran, James Joseph Sheeskin, Iacob Sheff, Irving A.B. 1944. Willard State College Sheeran, James Joseph Sheerkin, Iacob Sheff, Irving A.B. 1944. Willard State College Sheeran, James Joseph Sheerkin, Iacob Sheff, Irving A.B. 1944. Willard State College Sheeran, James Joseph Sheerkin, Jacob Sheff, Irving A.B. 1944. Willard State College Sheeran, James Joseph Sheerkin, Jacob Sheff, Irving A.B. 1944. Willard State College Sheeran, James Joseph Sheerkin, Jacob Sheff, Irving A.B. 1944. Willard State College Sheeran, James Joseph Sheerkin, Jacob Sheff, I	Schneiberg, Rosalyn		University	G.
Schneider, Homer James B.S. 1943, University of Wisconsin Schneider, Walter Henry B.S. 1943, Virginia Polytechnic Institute Scholtz, Edward Karl Schonberger, Eugene Schozeler, John D. B.S. 1930, Cettyburg College Schultz, Herman D. Schuistz, John Hooker Schuspin, Enca Adolph Schwartz, Dorothy Louise A.B. 1947, The George Washington University Scott, David, Columbia University A.M. 1943, University of Scranton Sedmak, Michael Edward A.B. 1936, Princeton University Seaman, Leebas, Angelo James B.S. 1944, California Institute of Technology Sedel, Arthur Harris B.S. 1944, California Institute of Technology Sedel, Arthur Harris B.S. 1944, California Institute of Technology Schadowen, Cyril Eugene Shadowen, C	Schneider, Edwin Roy	Mich.	Shingler, Julian James	
S. 1943. Urigenia Polytechnic Institute Scholtz Edward Karl Schonberger, Eugene Schosider, John D. B.S. 1930, Gettysburg College Schultz, Herman D. Schultz, John Hopkins Linstitute Md. N.Y. Pa. N.J. A.B. 1932, University of North Carolina Shryock, Richard Fuliny Eleman B. 1932, University of Wisconsin Scheder, Cyril Eugene A.B. 1932, University of Wisconsin Scheder, Polytechnic Linstitute New Jord Wash, New Jord Wash		Va.	Academy	
Institute Scholtz, Edward Karl Schonberger, Eugene Schossler, John D. Schossler, John D. Schultz, John Hooker Schultz, Herman D. Schwartz, Dorothy Lotise A.B. 1047. The George Washington University A.M. 1946. Columbia University A.M. 1946. Columbia University A.M. 1946. Columbia University A.M. 1946. Columbia University Seman, Leslie Thornas Selmetiani, Annelo James B.S. 1044. California Institute of Technology Seidel, Arthur Harris B.S. 1044. California Institute of Technology Seidel, Arthur Harris B.S. 1042. College of the City of New York A.M. 1945. University of Michigan Semmes, John Gibson Sfarnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shampin, Leon Shaffer, Earl Edward Shampin, Leon Shaffer, Earl Edward Shampin, Leon Shaffer, Earl Edward Shampin, Nelson Hirsh B.E. 1948. Johns Hopkins University Sharratt, George Shadowen, Cyril Eugene Share, David Shapiro, Nelson Hirsh B.E. 1945. University of Missouri Shaeff, Langer Francis Share, David Shapiro, Nelson Hirsh B.S. 1048. Johns Hopkins University Sharratt, George Shearin, Plummer Mustian B.S. 1049. University of Missouri Sheef, Laurence Polkinhorn A.B. 1038, Skidmore College Shearin, Plummer Mustian B.S. 1040. College of the City of Miss. A.B. 1043. University of Maryland LL.B. 1046. George Washington University Sharratt, George Shearin, Plummer Mustian B.S. 1040. College of the City of Miss. A.B. 1043. University of Maryland Sima, Andrew Jackson Miss. A.B. 1043. University of Maryland Sima, Andrew Jackson Miss. A.B. 1043. University of Maryland Sima, Andrew Jackson Miss. A.B. 1049. University Sharratt, George Shearin, Plummer Mustian B.S. 1040. College of the City of Miss. A.B. 1040. College Shearin, Plummer Mustian B.S. 1042. University of Maryland Sima, Andrew Jackson Miss. A.B. 1049. George Washington University Sharratty George Shearin, Plummer Mustian B.S. 1040. University of Maryland Sima, Andrew Jackson Miss. A.B. 1040. George Washington University Sharratty George Shear Rement Mustian B.S. 1041. University of Maryland Sima, Andrew	B.S. 1942, University of Wisconsin		Shingler, William Gendron, Jr.	Tenn.
Institute Scholtz, Edward Karl Schonberger, Eugene Schossler, John D. Schossler, John D. Schultz, John Hooker Schultz, Herman D. Schwartz, Dorothy Lotise A.B. 1047. The George Washington University A.M. 1946. Columbia University A.M. 1946. Columbia University A.M. 1946. Columbia University A.M. 1946. Columbia University Seman, Leslie Thornas Selmetiani, Annelo James B.S. 1044. California Institute of Technology Seidel, Arthur Harris B.S. 1044. California Institute of Technology Seidel, Arthur Harris B.S. 1042. College of the City of New York A.M. 1945. University of Michigan Semmes, John Gibson Sfarnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shampin, Leon Shaffer, Earl Edward Shampin, Leon Shaffer, Earl Edward Shampin, Leon Shaffer, Earl Edward Shampin, Nelson Hirsh B.E. 1948. Johns Hopkins University Sharratt, George Shadowen, Cyril Eugene Share, David Shapiro, Nelson Hirsh B.E. 1945. University of Missouri Shaeff, Langer Francis Share, David Shapiro, Nelson Hirsh B.S. 1048. Johns Hopkins University Sharratt, George Shearin, Plummer Mustian B.S. 1049. University of Missouri Sheef, Laurence Polkinhorn A.B. 1038, Skidmore College Shearin, Plummer Mustian B.S. 1040. College of the City of Miss. A.B. 1043. University of Maryland LL.B. 1046. George Washington University Sharratt, George Shearin, Plummer Mustian B.S. 1040. College of the City of Miss. A.B. 1043. University of Maryland Sima, Andrew Jackson Miss. A.B. 1043. University of Maryland Sima, Andrew Jackson Miss. A.B. 1043. University of Maryland Sima, Andrew Jackson Miss. A.B. 1049. University Sharratt, George Shearin, Plummer Mustian B.S. 1040. College of the City of Miss. A.B. 1040. College Shearin, Plummer Mustian B.S. 1042. University of Maryland Sima, Andrew Jackson Miss. A.B. 1049. George Washington University Sharratty George Shearin, Plummer Mustian B.S. 1040. University of Maryland Sima, Andrew Jackson Miss. A.B. 1040. George Washington University Sharratty George Shear Rement Mustian B.S. 1041. University of Maryland Sima, Andrew	Schneider, Walter Henry	N.J.	A.B. 1946, University of Missouri	D.C.
Schouser, John D. C. B.S. 1930, Gettysburg College Schultz, John Hooker Cschultz, Joseph Hooker A.B. 1934, Vilversity of Michigan Semmes, John Gibson Slarnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shampsin, Leon Shaffer, Earl Edward Shampsin, Leon Shapiro, Nelson Hirsh B.E. 1936, University of Missouri Shaeft, Loga, Johns Hopkins University Sharker, James Francis Sharp, Daniel DeWitt B.S. 1935, LLB. 1930, Northeastern University Sharker, James Fancis Sharp, Daniel DeWitt B.S. 1935, Kidmore College Shearin, Plummer Mustian B.S. 1936, University of Missouri Sheeskin, James Joseph Sheeskin, Jacob Sheff, Irving A.B. 1935, LLB. 1936, A.M. 1947, The George Washington University LLM. 1937, Harvard University LLM. 1937, Huisnat University LLM. 1947, University of Wisconsin Sidwell, James Dudley Wva. Shapiro, Nelson Hilburg A.B. 1936, LLB. 1930, LLB. 1930, University of Wva. B.S. 1947, University of Wisconsin Sidwell, James Dudley Siemel, Abraham B.S. 1948, University of Maryland LLB. 1948, University of Maryland LLB. 1948, University of Maryland Sims, Andrew Jackes Mass. 1947, Rhooke Island State College Shael Linker, Johns Hopkins University Simon, Alfred Philip B.S. 1948, Johns Hopkins University A.B. 1949, Johns Hopkins University A.B. 1940, Olombia University S	B.5. 1943. Virginia Polytechnic		Shoemaker, William Robert	Ala.
Schoosler, John D. B.S. 1930, Gettysburg College Schultz, John Hooker Sc	Scholtz, Edward Karl		Shookman, Loyd Allen	
Sebustiz, John Hooker Schwartz, Dorothy Louise A.B. 1047, The George Washington Scott. David Alan A.B. 1047, The George Washington Scott. David Alan A.B. 1047, The George Washington Scott. David Alan A.B. 1047, The George Washington Sebustiani, Angelo James Sharyok, Raymond Desouville A.B. 1936, University of Mod. A.B. 1936, University of Missouri Shappion, David Shappion, Nelson Hirsh B.E.E. 1936, University of Missouri Shappion, David Shappion	Schonberger Furgers		Shore, Jacob	Unio
Schultz, Herman D. Schultz, John Hooker Schustz, Dohn Hooker Schwartz Dorothy Louise A.B. 1047. The George Washington University Scott, David Alan A.B. 1046. Columbia University Seman, Lesie Thomas Sebastiani: Angelo James B.S. 1042. Collegand A.B. 1040. Muhlenberg College Seed. Richard Warren B.S. 1044. California Institute of Technology Seidel, Arthur Harris B.S. 1042. College of the City of New York A.M. 1043. University of Michigan Semmes, John Gibson Sfarnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E.E. 1048, Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. 1045. Skidmore College Shearin, Plummer Mustian B.S. 1056. Wake Forest College Sheeran, James Joseph Sheesikin, Jacob Shefi, Irving A.B. 1043, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1033, LL.B. 1036, A.M. 1047, The George Washington University LL.M. 1037, Harvard University Sherist, Jacob, Milliam Victor Sheetskin, Jacob Sheff, Irving A.B. 1048, Worcester Polytechnic Institute D.C. Schwartz Harding Shoup, Wilson Hibitot A.B. 1037, Indiana University of North Carolina A.B. 1036, LL.B. 1039, University of North Carolina A.B. 1030, University of North Carolina A.B. 1047, University of Wisconsin Sidwell, James Dudley Siegel, Arbraham B.S. 1042, College of the City of New York Wva. A.B. 1047, University of Wisconsin Sidwell, James Dudley Siemen, Aaron A.B. 1047, University of Maryland LL.B. 1036, Georget washington University Sharratt, George A.B. 1048, University of Mass. A.B. 1049, University of Maryland L.B. 1036, Georget washington University Sharratt, George B.S. 1049, Plumper Multian B.S. 1049, University of Maryland LL.B. 1036, George Washington University Sharratt, George Shearin, Plumper Mustian B.S. 1049, University of Maryland L.B. 1036, University of Maryland L.B. 1036, University of Maryland L.B. 1036, University of Maryland Simulation of McL.B. 1049, University of Maryland L.B. 1036, University of Maryland L.B. 1036, University of Maryla	Schosaler, John D.	D.C.	of Technology	
Schaspin, Eric Adolph Schwartz, Dorochy Louise A.B. 1947. The George Washington University Scott, David Alan A.B. 1938. Princeton University Seaman, Leslie Thomas Schastini Angelo James B.S. 1947. University of Scranton Sedmak, Michael Edward A.B. 1949. Michael Edward A.B. 1940. Muhlenberg College Seed. Richard Warren B.S. 1944. California Institute of Technolosy Seidel, Arthur Harris B.S. 1942. College of the City of New York A.M. 1945. University of Michigan Semmes, John Gibson Shadowen, Cyril Eugene Shadowen, Cyril Euge	Schultz, Herman D.	N.Y.	Shotwell Clark Harding	D.C.
Schwartz. Dorothy Louise A.B. 1047. The George Washington University Scott. David Alan A.B. 1048. Columbia University A.M. 1046. Columbia University Scaman. Leslie Thomas Sebustiani. Angelo James B.S. 1947. University of Scranton Sedmak, Michael Edward A.B. 1048. Childrenia Institute of Technoloxy Seidel, Arthur Harris B.S. 1044. California Institute of Technoloxy Seidel, Arthur Harris B.S. 1044. College of the City of New York Siamas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shampain, Leon Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E.E. 1048. Johns Hopkins University Sharratt, George LLB. 1036. University of Missouri Shaff, Load. Shap, Daniel DeWitt B.S. 1048. Stidmore College Shearin, Plummer Mustian B.S. 1058. Skidmore College Sheeran, James Joseph Sheeskin, Jacob Sheff, It ving A.B. 1048. The George Washington University Sharratt, George LLB. 1036. University of Missouri Sheaff, H. Joan A.B. 1038, Skidmore College Sheeran, James Joseph Sheeskin, Jacob Sheff, It ving A.B. 1048. The George Washington University Sherfy, Laurence Polkinhorn A.B. 1039, LLB. 1036, A.M. 1047, The George Washington University LLM. 1037, Intuited State University of Morth Carolina Shryock, Richard Puller A.B. 1036, LLB. 1036, C.LB. 1032, University of Wisconsin Sidwell, James Dudley Sierel, Abraham B.S. 1048. The George Washington University Sharratt, George A.B. 1049, University of Maryland LLB. 1048, Georgetown University Sharratt, George Mass. Siskind. Elico Irvia A.B. 1040, Columbia University Skalak, Rose A.B. 1040, Columbia University Skalak, Rose A.B. 1030, University of Missouri Skillman, Douglas Benjamin Va. Md. A.B. 1031, University of Wyoming Skillman, Douglas Benjamin Cuberative of Topeka Skinner, Henry Ross A.B. 1031, University of Wyoming Skillman, Douglas Benjamin University of Topeka Skinner, Henry Ross A.B. 1031, University of Wyoming Skillman, Douglas Benjamin University of Topeka Skinner, Henry Ross A.B. 1031, University of Wyoming Skillman, Douglas Benjamin University of Topeka Sk	Schultz, John Floorer	D.C.	Shoup, Wilson Elliott	Va.
N.J. A.B. 1938. Princeton University A.M. 1946. Columbia University Seaman, Leslie Thomas Sebastiania Angelo James B.S. 1947. University of Scranton Sedmak, Michael Edward A.B. 1930. Muhlenberg College Seed. Richard Warren B.S. 1944. California Institute of Technolosy Reidel, Arthur Harris B.S. 1942. University of Michigan Semmes, John Gibson Siarnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E. 1948. Johns Hopkins University Sharratt, George Sharp, Daniel DeWitt B.S. in E.E. 1939. Northeastern University Sharratt, George Sheeran, James Joseph Sheeskin, Jacob Sheff, Irving A.B. 1948. Skidmore College Shearin, Plummer Mustian B.S. 1956. Wake Forest College Sheeran, James Joseph Sheeskin, Jacob Sheff, Irving A.B. 1948. The George Washington University Sherfalan, Plummer Mustian B.S. 1956. Wake Forest College Sheeran, James Joseph Sheeskin, Jacob Sheff, Irving A.B. 1948. The George Washington University Sherfy, Laurence Polkinhorn A.B. 1943, LL.B. 1956. A.M. 1947. The George Washington University Sherfy, Laurence Polkinhorn A.B. 1943, LL.B. 1956. A.M. 1947. The George Washington University Sherfy, Laurence Polkinhorn A.B. 1943, LL.B. 1956. A.M. 1947. The George Washington University Sherfy, Laurence Polkinhorn A.B. 1943, LL.B. 1956. A.M. 1947. The George Washington University Sherfy, Laurence Polkinhorn A.B. 1943, LL.B. 1944. Worcester B.S. 1945. University of Wyoming Skilman, Douglas Benjamin A.B. 1947. University of Wyoming Skilman, Douglas Benjamin Cuba Va. Skinner, Ernest Brown LL.B. 1942. Washburn Municipal University Skeiner, Henry Ross A.B. 1947. University of Wyoming Skilman, Ooglas Benjamin Cuba Va. Skinner, Ernest Brown LL.B. 1942. Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1947. University of Wyoming Skilman, Ooglas Benjamin Cuba Va. Skinner, Ernest Brown LL.B. 1942. Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1947. University of Wyoming Skilman, Ooglas Benjamin Cuba Va. Skinner, Ernest Brown LL.B. 1942	Schuppin, Eric Adolph		A B 1017. Indiana University	Va.
N.J. A.B. 1938. Princeton University Seaman, Leslie Thomas Sebastianii Angelo James B.S. 1947. University of Scranton Sedmak, Michael Edward A.B. 1936. Muhlenberg College Seed. Richard Warren B.S. 1946. College of the City of New York A.M. 1945. University of Michigan Semmes, John Gibson Slarnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, David Shapiro, David Shapiro, David Shapiro, Nelson Hirsh B.E. 1948. Johns Hopkins University Sharratt, George Sherran, James Joseph Shereskin, Jacob Sheff, Irving A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1956. University of Missouri Sheff, Irving A.B. 1948, The George Washington University Sherfalan, James Joseph Sheeskin, Jacob Sheff, Irving A.B. 1948, The George Washington University Sherfalan, James Joseph Sheerskin, Jacob Sheff, Irving A.B. 1948, The George Washington University Sherfalan, Plummer Mustian B.S. 1948, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1948, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1948, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1949, LL.B. 1956. A.M. 1947, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1949, LL.B. 1946, Worcester B.S. 1941. University of Wyoming Skilman, Douglas Benjamin A.B. 1942, University of Wyoming Skilman, Douglas Benjamin University Skerner, Plumper Mustian A.B. 1947, University of Wyoming Skilman, Douglas Benjamin Cuba Va. Skinner, Ernest Brown LL.B. 1949, Washburn Municipal University Skerner, Plumper Mustian A.B. 1947, University of Wyoming Skilman, Douglas Benjamin A.B. 1948, University of Wyoming Skilman, Douglas Benjamin Cuba Va. Skinner, Ernest Brown LL.B. 1949, Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1947, University of Wyoming Skilman, Douglas Benjamin A.B. 1948, University of Wyoming Skilman, Douglas Benjamin Cuba Va. B.S. 1941, University of Wyoming Skilman, Ouglas Benjamin A.B. 1948, University of Wyoming Skilman, Ouglas Benjamin A.B. 1948, University of Wyom	AR 1047 The George Washington	Onio	A.B. 1926, LL.B. 1929, University o	f
A.B. 1936. Columbia University Seaman, Leslie Thomas Sebastiani, Angelo James B.S. 1947. University of Scranton Sedmak, Michael Edward A.B. 1940. Mulhenberg College Seed. Richard Warren B.S. 1942. College of the City of New York A.M. 1943, University of Michigan Semmes, John Gibson Sfarnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E.E. 1948, Johns Hopkins University Sharrate, George LL.B. 1936, University of Missouri Shaffer, George LL.B. 1936, University of Missouri Shaffer, George LL.B. 1936, University of Missouri Sheaff. I. Joan A.B. 1948, The George Washington University Sherenkin, Iacob Sheff, Irving A.B. 1948, The George Washington University Sherenkin, Iacob Sheff, Irving A.B. 1948, The George Washington University Sherenkin, Iacob Sheff, Irving A.B. 1948, The George Washington University Sherenkin, Iacob Sheff, Irving A.B. 1948, Worcester Polytechnic Institute A.B. 1947, University of Wisconsin Sidwell, James Dudley Simma, Charles Francis Mas. 1942, University of Missound A.B. 1948, George Washington University Sheridan, James George Md. A.B. 1948, Johns Hopkins University Skelly, George Martin Skilman, Douglas Benjamin A.B. 1948, Johns Hopkins University Skelly, George Martin Skilman, Douglas Benjamin Va. Skelly, George Martin Skilman, Douglas Benjamin Va. Skelly, George Martin Skilman, Douglas Benjamin Va. A.B. 1943, University of Wyoming Skelly, George Martin Skilman, Douglas Benjamin Va. Skelly, George Martin Va. A.B. 1949, University of Wyoming Skelly, George Martin Va. A.B. 1949, University of Wyoming Skelly, George Martin Va. A.B. 1943, University of Wyoming Skelly, George Martin Va. A.B. 1942, University of Wyoming Skelly, George Martin Va. A.B. 1943, Univers	University		Pannaylyania	
Seaman, Leslie Thomas B. S. 1947, University of Scranton Sedmak, Michael Edward A. B. 1947, University of Scranton Sedmak, Michael Edward A. B. 1940, Mulhenberg College Seed. Richard Warren B.S. 1944, California Institute of Technology Seidel, Arthur Harris B.S. 1942, Culiversity of Michigan Semmes, John Gibson Starnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E. 1948, Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1936, University of Missouri Sharp, Daniel DeWitt B.S. in E.E. 1935, Northeastern University Sharratt, George LL.B. 1936, University of Missouri Sheaff, I. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1948, University of Missouri Sheff, Irving A.B. 1948, The George Washington University Shereikin, Iacob Sheff, Irving A.B. 1948, The George Washington University Shereikin, Iacob Sheff, Irving A.B. 1948, Worcester Polytechnik Institute NY. Md. A.B. 1948, University of Wyoming Siskind, Eliot Irvin A.B. 1948, University of Wyoming Skillman, Douglas Benjamin Va. Skelly, George Martin Skillman, Douglas Benjamin Va. Sk	Scott, David Alan	N.J.	A R rose University of North	MIG.
Seaman, Leslie Thomas B. S. 1947, University of Scranton Sedmak, Michael Edward A. B. 1947, University of Scranton Sedmak, Michael Edward A. B. 1940, Mulhenberg College Seed. Richard Warren B.S. 1944, California Institute of Technology Seidel, Arthur Harris B.S. 1942, Culiversity of Michigan Semmes, John Gibson Starnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E. 1948, Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1936, University of Missouri Sharp, Daniel DeWitt B.S. in E.E. 1935, Northeastern University Sharratt, George LL.B. 1936, University of Missouri Sheaff, I. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1948, University of Missouri Sheff, Irving A.B. 1948, The George Washington University Shereikin, Iacob Sheff, Irving A.B. 1948, The George Washington University Shereikin, Iacob Sheff, Irving A.B. 1948, Worcester Polytechnik Institute NY. Md. A.B. 1948, University of Wyoming Siskind, Eliot Irvin A.B. 1948, University of Wyoming Skillman, Douglas Benjamin Va. Skelly, George Martin Skillman, Douglas Benjamin Va. Sk	A. M. 1046 Columbia University		Carolina	
Sebustiani. Angelo James B.S. 1947. University of Scranton Sedmak, Michael Edward A.B. 1940. Muhlenberg College Seed. Richard Warren B.S. 1944. California Institute of Technoloxy Seidel, Arthur Harris B.S. 1942. College of the City of New York A.M. 1943, University of Michigan Semes, John Gibson Sfarnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, David Shapiro, David Shapiro, Nelson Hirsh B.E. 1948. Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1939. Northeastern University Sharratt, George LL.B. 1936. University of Missouri Sheaff. H. Joan A.B. 1948. Skidmore College Sheeran, James Joeeph Sheeskin, Jacob Sheff, Irving A.B. 1948. The George Washington University Shereknin, Jacob Sheff, Irving A.B. 1948. The George Washington University Shereknin, Jacob Sheff, Irving A.B. 1948. The George Washington University Shereknin, Jacob Sheff, Irving A.B. 1948. The George Washington University Shereknin, Jacob Sheff, Irving A.B. 1948. The George Washington University Shereknin, Jacob Sheff, Irving A.B. 1948. The George Washington University Shereknin, Jacob Sheff, Irving A.B. 1944. William Victor Skelly, George Martin Sheriner, Henry Roas A.B. 1947. University of Wisconsin Sidewell, James Dudley Sidewell, Abraham B.S. 1947. University of Wisconsin Sidewell, James Dudley Sidewell, Abraham B.S. 1947. University of Wisconsin Sidewell, James Dudley Sime, Abraham B.S. 1947. University of Washington University Simon, Alfred Philip B.S. 1948. Johns Hop	Seaman, Leslie Thomas		Shugaet Flizabeth Wise	W.Va.
Sedmak, Michael Edward A.B. 1940. Muhlenberg College Seed. Richard Warren B.S. 1944. California Institute of Technoloxy Seidel, Arthur Harris B.S. 1942. University of Michigan Semmes, John Gibson Starnas, James George Shadowen, Cyril Eugene Shafter, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E.E. 1948, Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. 1945. Wash Sharp, Daniel DeWitt B.S. 1945. Wash Shary, James Francis Sharp, Daniel DeWitt B.S. 1945. Wash Shary, Johns Hopkins University Sharratt, George LL.B. 1935. University of Missouri Sheaff. H. Joan A.B. 1945. Skidmore College Sheerian, James Joseph Sheeskin, Jacob Sheff, Irving A.B. 1945. Kidmore College Sheerian, James Joseph Skalak, Rose A.B. 1946. Johns Hopkins University Skelly, George Martin Skillman, Doouglas Benjamin B.S. 1940. Columbia University Skelly, George Martin Skell, 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B S, in F. E. 1944, Worcester Folytechnic Institute Shutkin, Joseph Jerome A.B. 1947. University of Wisconsin Sidwell, James Dudley Siezel, Abraham B.S. 1948. The George Washington University Simma, Charles Francis Sikvind, Eliot. University of Maryland LL.B. 1935, University of Maryland Simma, Ahrates Jeroncis Mass. Rans. A.B. 1948. The George Washington University Simma, Charles Francis Siskind, Eliot Irvina A.B. 1948. Johns Hopkins University Skelly, George Martin Skelly, Herry Roas A.B. 1942. University of Wisconsin Sidwell, James Dudley Siewel, Abraham S. 1948. The George Washington University Simma, Charles Francis Siskind, Eliot. University of Maryland LL.B. 1938, University of Maryland LL.B. 1938, University of Maryland Simma, Alared Philip Sima, Andrew Jackson Md. A.B. 1948, Johns Hopkins University Sikelly, Hullidar Stanley Sikelly, George Martin Skelly, Geo	Sebustiani Angelo James	Pa.	A.B. 1947, Unio State University	Va.
A.B. 1940. Muhlenberg College Seed Richard Warren B.S. 1942. California Institute of Technology Seidel, Arthur Harris B.S. 1943. College of the City of New York A.M. 1943. A.B. 1943. Liversity of Michigan Semmes, John Gibsoa Shaffer, Earl Edward Shampain, Leon Shaffer, Earl Edward Shampain, Leon Shapiro, David Shapiro, Nelson Hirsh B.E.E. 1948. Johns Hopkins University Sharratt, George Shearin, Plummer Mustian B.S. 1946. College Shearin, Plummer Mustian B.S. 1946. The George Washington University Shershin. Joseph Jerome A.B. 1947. University of Wisconsin Sidwell, James Dudley Siegel, Abraham B.S. 1940. College of the City of New York Silverman, Aaron A.B. 1948. George Washington University Sharratt, George Shearin, Plummer Mustian B.S. 1945. University of Missouri Sheafi. H. Joan A.B. 1948. Skidmore College Shearin, Plummer Mustian B.S. 1936. University of Missouri Sheeskin. Jacob Md. A.B. 1949. The George Washington University Sheridan, Philip Henry B.S. 1940. College of the City of New York Silverman, Aaron A.B. 1948. George Washington University of Maryland LL.B. 1948. George to Maryland Sima. Andrew Jackson Sima. Harry Gay A.B. 1936, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. 1947. University of Maryland Sima. Harry Gay A.B. 1938, University of Missouri Sidwell, James Dudley Siegel, Abraham B.S. 1948. College of the City of New York Sall university of Maryland LL.B. 1948. George Washington University of Maryland Sima. Harry Gay A.B. 1948. Johns Hopkins University of	Solve Michael Edward	Pa	B.S. 1014. Virginia Polytechnic	
Technology Seidel, Arthur Harris B.S. 1942. College of the City of New York A.M. 1943, University of Michigan Semmes, John Gibson Sfarnas, James George Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E.E. 1948, Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Sharratt, George LL.B. 1936. University of Missouri Sheaff, H. Joan A.B. 1943, Skidmore College Shearin, Plummer Mustian B.S. 1936. Wake Forest College Sheeran, James Joseph Sheeskin, Iacob Sheff, Irving A.B. 1943, Skidmore College Sheeran, James Joseph Sheeskin, Iacob Sheff, Irving A.B. 1943, The George Washington University Sherfy Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. in F.E. 1944, Worcester Polytechnie Institute D.C. Sidwell, James Dodley Siezel, Abraham B.S. 1940. College of the City of New York Sidwell, James Dodley Siewel, James Dodley Sidwell, James Dodley Siewel, James Dodoley Siewel, James Dodo. College of the City of New York Silverman, Aaron A.B. 1948. The George Washington University Simms, Charles Francis Md. LL.B. 1948, George Washington University of Maryland LL.B. 1949, Hoversity of Maryland LL.B. 1949, Hoversity of Maryland LL.B. 1948, George Washington Sims, Andrew Jackson Sims, Andrew Jackson A.B. 1948, Johns Hopkins University Va. A.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1948, Johns Hopkins University Skiller Rull Humans A.B. 1948, Johns Hopkins University Skiller William Victor Skiller Rull Humans A.B. 1948, Johns Hopkins University Skiller William Victor Skiller Rull Humans A.B. 1948, Johns Ho	A.B. 1040. Muhlenberg College		Institute	9975
Seidel, Arthur Harris B.S. 1042. College of the City of New York A.M. 1943, University of Michigan Semmes, John Gibsoa Starnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E. L. 1048, Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1930, Northeastern University Sharratt, George LL.B. 1930, University of Missouri Sheafi, H. Joan A.B. 1943, Skidmore College Shearin, Plummer Mustian B.S. 1946, University of Missouri Sheeskin, Iacob Sheft, Irving A.B. 1948, Skidmore College Sheeran, James Joseph Sheeskin, Iacob Sheft, Irving A.B. 1948, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1944, Worcester Polytechnite Institute D.C. New York Silverman, Aaron A.B. 1946, George Washington University of Maryland LL.B. 1948, Georgetown University Simma, Charles Francis M.B. 1948, Georgetown University Simma, Andrew Jackson Sim, Andrew Jackson A.B. 1948, University of Maryland Sima, Andrew Jackson A.B. 1936, LL.B. 1938, University of Arkansas Siskind, Eliot Irvin A.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1930, Hunter College B.S. 1942, Pennsylvania State College Skalak, Rose A.B. 1942, Pennsylvania State College Skalak, Rose A.B. 1942, Pennsylvania State College Skinner, Ernest Broncis A.B. 1948, Georgetown University Simma, Charles Francis A.B. 1948, Johns Hopkins University of Maryland LL.B. 1948, Johns Hopkins University of Maryland A.B. 1948, Johns Hopki	Seed. Richard Warren	Wash.	Shutkin, Joseph Jerome	W 18.
Seidel, Arthur Harris B.S. 1042. College of the City of New York A.M. 1943, University of Michigan Semmes, John Gibsoa Starnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E. L. 1048, Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1930, Northeastern University Sharratt, George LL.B. 1930, University of Missouri Sheafi, H. Joan A.B. 1943, Skidmore College Shearin, Plummer Mustian B.S. 1946, University of Missouri Sheeskin, Iacob Sheft, Irving A.B. 1948, Skidmore College Sheeran, James Joseph Sheeskin, Iacob Sheft, Irving A.B. 1948, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1944, Worcester Polytechnite Institute D.C. New York Silverman, Aaron A.B. 1946, George Washington University of Maryland LL.B. 1948, Georgetown University Simma, Charles Francis M.B. 1948, Georgetown University Simma, Andrew Jackson Sim, Andrew Jackson A.B. 1948, University of Maryland Sima, Andrew Jackson A.B. 1936, LL.B. 1938, University of Arkansas Siskind, Eliot Irvin A.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1930, Hunter College B.S. 1942, Pennsylvania State College Skalak, Rose A.B. 1942, Pennsylvania State College Skalak, Rose A.B. 1942, Pennsylvania State College Skinner, Ernest Broncis A.B. 1948, Georgetown University Simma, Charles Francis A.B. 1948, Johns Hopkins University of Maryland LL.B. 1948, Johns Hopkins University of Maryland A.B. 1948, Johns Hopki	B.S. 1944. California Institute of		Sidwell, James Dudley	D.C.
B.S. 1042. College of the City of New York A.M. 1943, University of Michigan Semmes, John Gibson Shaffer, Earl Edward Shampain, Leon Shaffer, Earl Edward Shampain, Leon Shapiro, David Shapiro, Nelson Hirsh B.E.E. 1948, Johns Hopkins University Shartex, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Sharratt, George LL.B. 1936, University of Missouri Sheaff, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1956, Wake Forest College Sheeran, James Joseph Sheekin, Iacob Sheff, Irving A.B. 1948, The George Washington University Sherty, Laurence Polkinhorn A.B. 1948, The George Washington University Sherty, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Shertidan, Philip Henry B.S. in F. E. 1944, Worcester Polytechnie Institute B.S. 1940, College of the City of New York Silverman, Aaron A.B. 1948, The George Washington University Simms, Charles Francis Md. A.B. 1948, Georgetown University of Maryland LL.B. 1948, Horder Philip B.S. 1947, University of Maryland LL.B. 1948, Horder Philip B.S. 1949, Thode Island State College Simpson, Kenneth Walter, Jr. B.S. 1949, Thode Island State College Simpson, Kenneth Walter, Jr. B.S. 1949, Thode Island State College Simpson, Kenneth Walter, Jr. B.S. 1949, Thode Island State College Simpson, Kenneth Walter, Jr. B.S. 1949, University of Maryland LL.B. 1948, Horder Philip B.S. 1949, Thode Island State College Simpson, Kenneth Walter, Jr. B.S. 1949, Thode Island State College Simpson, Kenneth Walter, Jr. B.S. 1949, University of Maryland LL.B. 1948, Horder Philip B.S. 1949, Thode Island State College Simpson, Kenneth Walter, Jr. B.S. 1949, University of Maryland LL.B. 1948, Horder Philip B.S. 1949, University of Maryland LL.B. 1948, Horder Philip B.S. 1949, University of Maryland LL.B. 1948, Johns Hopkins University Skelly, George Washington LL.B. 1938, University of Maryland LL.B. 1948, Johns Hopkins University Skelly, George Washington LL.B	Seidel, Arthur Harris	D.C.	Siegel, Abraham	Calif.
New York A.M. 1943, University of Michigan Semmes, John Gibson Starnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, Nelson Hirsh Shapiro, Nelson Hirsh B.E.E. 1948, Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Sharter, George LL.B. 1936, University of Missouri Sheafi, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1956, Wake Forest College Sheeran, James Joseph Sheetkin, Iacob Sheff, Irving A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sherity, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. in E. E. 1944, Worcester Polytechnic Institute D.C. A.B. 1048, The George Washington LL.B. 1948, George town University Simma, Charles Francis A.B. 1941, University of Maryland LL.B. 1945, Hodd, University of Maryland LL.B. 1945, University of Maryland LL.B. 1945, University of Maryland LL.B. 1946, George Washington Sima, Harry Gay A.B. 1945, University of Maryland LL.B. 1946, George University of Maryland LL.B. 1945, University of Maryland LL.B. 1946, George University of Maryland LL.B. 1945, University of Maryland LL.B. 1945, University of Maryland LL.B. 1945, University of Maryland LL.B. 1946, George University Simon, Alfred Philip B.S. 1947, Rhode Island State College Skalak, Rose A.B. 1946, University of Maryland LL.B. 1938, University of Maryland LL.B. 1945, University of Maryland LL.B. 1945, University of Maryland LL.B. 1946, George Washington LL.B. 1946, George Washington LL.B. 1946, George Washington LL.B. 1947, University of Maryland LL.B. 1948, George Washington LL.B. 1948, George Washington LL.B. 1947, University of Maryland LL.B. 1948, George Washington LL.B. 1948, George Washington LL.B. 1948, University of Maryland LL.B. 1948, University of Maryland LL.B. 1948, University of Maryland LL.B. 1948, University of Mary	B.S. 1942, College of the City of		B.S. 1940, College of the City of	
Semmes, John Gibson Starnas, James George Shadowen, Cyril Eugene Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh B.E.E. 1948, Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1930, Northeastern University Sharratt, George LL.B. 1936, University of Missouri Sheafi H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1936, University Sheekkin, Jacob Sheff, Irving A.B. 1948, The George Washington University Shery, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. in E.E. 1944, Worcester Polytechnic Institute D.C. D.C. Simms, Charles Francis A.B. 1941, University of Maryland LL.B. 1948, Georgetown University Simon, Alfred Philip B.S. 1947, Rhode Island State College Sim, Andrew Jackson Ark A.B. 1936, LL.B. 1938, University of Arkanas Siskind. Eliot Irvin A.B. 1948, Johns Hopkins University of Maryland LL.B. 1948, Georgetown University Simon, Alfred Philip B.S. 1947, Rhode Island State College Sim, Andrew Jackson Sim, Andrew Jackson Ark A.B. 1936, LL.B. 1938, University of Arkanas Siskind. Eliot Irvin A.B. 1948, Johns Hopkins Johns Andrew Jackson Ark A.B. 1947, University Skelly, George Martin Va. B.S. 1949, Phobe Island State College B.S. 1949, Phobe Island State College Skalak, Rose B.S. 1949, Phobe Island State College Skalak, Rose B.S. 1949, Phobe Island State College Skalak, Rose B.S. 1948, Johns Hopkins Johns All University Va. B.S. 1949, Phobe Island State College Skalak, Rose B.S. 1949, Phobe Island State College Skalak, Rose B.S. 1948, Johns Hopkins Johns All University Skelly, George Martin Va. B.S. 1949, Phobe Island State College Skalak, Rose B.S. 1948, Johns Hopkins Johns All University Va			and the second s	D.C.
Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh Shapiro, Nelson Hirsh Bartey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1938, Johns Hopkins University Shartex, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Shartatt, George LL.B. 1936, University of Missouri Sheafi, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1936, Wake Forest College Sheeran, James Joseph Sheeskin, Iacob Sheff, Irving A.B. 1948, Johns Hopkins University Sheridan, Philip Henry B.S. in F.E. 1944, Worcester Polytechniel Institute W.Va. W.Va. N.Y. Simon, Alfred Philip B.S. 1947, Rhode Island State College Simpson, Kenneth Walter, Jr. B.S. 1949, University of Maryland LL.B. 1948, Horder Walter, Jr. B.S. 1949, University of Maryland LL.B. 1938, University of Maryland LL.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1949, University of Maryland LL.B. 1938, University of Maryland LL.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1948, University of Maryland A.B. 1948, Johns Hopkins University of Maryland A.B. 1948, Johns Hopkins Ark. A.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1948, University of Va. A.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1948, Johns Hopkins University Skalak,	Semmes, John Gibson	D.C.	A.B. 1048. The George Washington	
Shaffer, Earl Edward Shapiro, David Shapiro, Nelson Hirsh Shapiro, Nelson Hirsh Bartey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1938, Johns Hopkins University Shartex, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Shartatt, George LL.B. 1936, University of Missouri Sheafi, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1936, Wake Forest College Sheeran, James Joseph Sheeskin, Iacob Sheff, Irving A.B. 1948, Johns Hopkins University Sheridan, Philip Henry B.S. in F.E. 1944, Worcester Polytechniel Institute W.Va. W.Va. N.Y. Simon, Alfred Philip B.S. 1947, Rhode Island State College Simpson, Kenneth Walter, Jr. B.S. 1949, University of Maryland LL.B. 1948, Horder Walter, Jr. B.S. 1949, University of Maryland LL.B. 1938, University of Maryland LL.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1949, University of Maryland LL.B. 1938, University of Maryland LL.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1948, University of Maryland A.B. 1948, Johns Hopkins University of Maryland A.B. 1948, Johns Hopkins Ark. A.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1948, University of Va. A.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1948, Johns Hopkins University Skalak,	Sfarnas, James George		University	Md
Shapiro, David Shapiro, Nelson Hirsh B.E.E. 1948, Johns Hopkins University Shartey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Sharratt, George LL.B. 1936, University of Missouri Sheafi, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1956, Wake Forest College Shearin, James Joseph Sheekin, Iacob Sheff, Irving A.B. 1948, The George Washington University Sheffy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheriya, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. 1947, Rhode Island State College Simpson, Kenneth Walter, Jr. B.S. 1943, University of Maryland Sims, Andrew Jackson Sims, Harry Gay A.B. 1938, University of Arkanasa Siskind, Eliot Irvin A.B. 1948, Shinse Hopkins University Sitler, Willard Stanley B.S. 1949, University of Missouri A.B. 1948, Skidmore College Shalak, Rose A.B. 1948, Pennsylvania State College B.S. 1940, Columbia University Skelly, George Martin Skilman, Douglas Benjamin Va. B.S. 1949, University of Maryland Miss. Ark. A.B. 1948, Johns Hopkins University Sitler, Willard Stanley B.S. 1949, University of Missouri A.B. 1948, Skidmore College Shalak, Rose A.B. 1948, Pennsylvania State College Skinner, Ernest Brown LL.B. 1932, Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1947, University of Wyoming Skelly, George Martin University Skelly, George Martin Skillman, Douglas Benjamin Va. B.S. 1940, Culwersity Skelly, George Martin Skelly, George	Shadowen, CVIII Eugene		A B soas University of Maryland	Marci.
Shapiro, David Shapiro, Nelson Hirsh B.E.E. 1948, Johns Hopkins University Shartey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Sharratt, George LL.B. 1936, University of Missouri Sheafi, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1956, Wake Forest College Shearin, James Joseph Sheekin, Iacob Sheff, Irving A.B. 1948, The George Washington University Sheffy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheriya, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. 1947, Rhode Island State College Simpson, Kenneth Walter, Jr. B.S. 1943, University of Maryland Sims, Andrew Jackson Sims, Harry Gay A.B. 1938, University of Arkanasa Siskind, Eliot Irvin A.B. 1948, Shinse Hopkins University Sitler, Willard Stanley B.S. 1949, University of Missouri A.B. 1948, Skidmore College Shalak, Rose A.B. 1948, Pennsylvania State College B.S. 1940, Columbia University Skelly, George Martin Skilman, Douglas Benjamin Va. B.S. 1949, University of Maryland Miss. Ark. A.B. 1948, Johns Hopkins University Sitler, Willard Stanley B.S. 1949, University of Missouri A.B. 1948, Skidmore College Shalak, Rose A.B. 1948, Pennsylvania State College Skinner, Ernest Brown LL.B. 1932, Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1947, University of Wyoming Skelly, George Martin University Skelly, George Martin Skillman, Douglas Benjamin Va. B.S. 1940, Culwersity Skelly, George Martin Skelly, George	Shamosin Loop	NY.	LL.B. 1948, Georgetown University	
Sharpiro, Nelson Hirsh B.E.E. 1948, Johns Hopkins University Sharkey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Shartrat, George LL.B. 1936, University of Missouri Sheafi, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1936, Wake Forest College Shearin, James Joseph Sheeskin, Jacob Sheff, Irving A.B. 1948, The George Washington University Sherly, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. in E.E. 1944, Worcester Polytechnic Institute D.C. B.S. 1947, Rhode Itliand State College Simpson, Kenneth Walter, Jr. B.S. 1943, University of Missouri Simpson, Kenneth Walter, Jr. B.S. 1943, University of Missouri Simpson, Kenneth Walter, Jr. B.S. 1943, University of Maryland Miss. Ark. A.B. 1936, LL.B. 1938, University of Arkanasa Siskind, Eliot Irvin A.B. 1948, Johns Hopkins University Siter. Willard Stanley B.S. 1948, Johns Hopkins University Siter. Willard Stanley B.S. 1948, Johns Hopkins University Skelly, George Martin Va. B.S. 1949, University of Missouri Arkanasa Siskind, Eliot Irvin A.B. 1948, Johns Hopkins University Skelly, George Martin Va. B.S. 1949, University of Maryland Miss. Ark. A.B. 1936, LL.B. 1938, University of Valuersity Skelly, George Martin Va. B.S. 1947, Rhode Itliand State College Simpson, Kenneth Walter, Jr. B.S. 1943, University of Maryland Miss. Sism. Andrew Jackson Arkanasa Siskind, Eliot Irvin A.B. 1948, Johns Hopkins University Skelly, George Martin Va. B.S. 1949, University of Maryland Miss. Sism. Andrew Jackson Arkanasa Siskind, Eliot Irvin A.B. 1948, Johns Hopkins University Skelly, George Martin Va. B.S. 1949, University of Maryland Arkanasa Siskind, Eliot Irvin A.B. 1948, Johns Hopkins University Skelly, George Martin Va. B.S. 1948, Johns Hopkins University Skelly, George Martin Va. B.S. 1948, Johns Hopkins University Skelly, George Martin Va. B.S. 1948, Johns Hopkins University Skelly, George Martin Va. B.S. 1948, Johns Hopkins Arkanas Siskind, Eliot Irvin A.B.		N.Y.	Simon, Alfred Philip	
University Sharkey, James Francis Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Sharrard, George LL.B. 1936, University of Missouri Sheafi, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1956, Wake Forest College Shearin, James Joseph Sheff, Irving A.B. 1948, The George Washington University Sheff, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. in E.E. 1944, Worcester Polytechnic Institute B.S. 1943, University of Maryland Miss. Ank. 1936, LL.B. 1938, University of Arkansas Siskind. Eliot Irvin A.B. 1948, Johns Hopkins University Sitler. Willard Stanley B.S. 1948, Pennsylvania State College B.S. 1940, Columbia University Skelly, George Martin University of Topeka Skinner, Henry Ross A.B. 1932, Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1947, University of Wyoming Slevin, William Victor Smith, Charles Edwin B.S. 1943, University of Missouri Arkansas Siskind. Eliot Irvin A.B. 1948, Johns Hopkins University Sitler. Willard Stanley B.S. 1949, University of Missouri Arkansas Siskind. Eliot Irvin A.B. 1948, Johns Hopkins University Sitler. Willard Stanley B.S. 1949, University of Missouri Arkansas Siskind. Eliot Irvin A.B. 1948, Johns Hopkins University Sitler. Willard Stanley B.S. 1949, University of Missouri Arkansas Siskind. Eliot Irvin A.B. 1948, Johns Hopkins University Sitler. Willard Stanley B.S. 1949, University of Missouri Arkansas Siskind. Eliot Irvin A.B. 1948, Johns Hopkins University Sitler. Willard Stanley B.S. 1949, University of Missouri Arkansas Siskind. Eliot Irvin A.B. 1948, Johns Hopkins University Sitler. Willard Stanley B.S. 1949, University of Missouri A.B. 1936, LL.B. 1938, University of Warkansas Siskind. Eliot Irvin A.B. 1948, Johns Hopkins University Sitler. Willard Stanley B.S. 1949, University of Markansas Siskind. Eliot Irvin A.B. 1949, University Sitler. Willard Stanley B.S. 1949, University of Markansas Siskind. Eliot Irvin A.B. 1949, University Sitler. Willar	Shapiro, Nelson Hirsh	D.C.	B.S. 1947, Rhode Island State College	D.C.
Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Sharratt, George LL.B. 1936, University of Missouri Sheaft, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1936, Wake Forest College Sheeran, James Joseph Sheeskin. Jacob Sheft, Irving A.B. 1948, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. in F. E. 1944, Worcester Polytechnic Institute Mass. Kans. Kans. Kans. Kans. Kans. N.V. Md. A.B. 1948, Johns Hopkins University Sitler, Willard Stanley Va. B.S. 1939, Pennsylvania State College Skinner, Ernest Brown LL.B. 1932, Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1948, Johns Hopkins University Va. B.S. 1948, Johns Hopkins University Va.			B.S. 1041. University of Maryland	2.0.
Sharp, Daniel DeWitt B.S. in E.E. 1939, Northeastern University Sharratt, George LL.B. 1936, University of Missouri Sheaft, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1936, Wake Forest College Sheeran, James Joseph Sheeskin. Jacob Sheft, Irving A.B. 1948, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. in F. E. 1944, Worcester Polytechnic Institute Mass. Kans. Kans. Kans. Kans. Kans. N.V. Md. A.B. 1948, Johns Hopkins University Sitler, Willard Stanley Va. B.S. 1939, Pennsylvania State College Skinner, Ernest Brown LL.B. 1932, Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1948, Johns Hopkins University Va. B.S. 1948, Johns Hopkins University Va.		Pa.	Sims, Andrew Jackson	
University Sharratt, George LL.B. 1936, University of Missouri Sheafi. H. Joan A.B. 1948, Skidmore College Shearin. Plummer Mustian B.S. 1936, Wake Forest College Sheeran, James Joseph Sheeskin. Jacob Sheff. Irving A.B. 1948, Johns Hopkins University Sitler. Willard Stanley B.S. 1938, Pennsylvania State College Skalak, Rose A.B. 1940, Columbia University Skelly, George Martin University Sherly, Laurence Polkinhora A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. in E.E. 1944, Worcester Polytechnic Institute Arkanasa Siskind. Eliot Irvin A.B. 1948, Johns Hopkins University Skalak, Rose A.B. 1948, Johns Johns Hopkins Univ	Sharp, Daniel DeWitt		Sima, Marry Gay	
Sheritatt, George LL.B. 1936, University of Missouri Sheaff, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1936, Wake Forest College Sheeran, James Joseph Sheekin, Jacob Sheff, Irving A.B. 1948, The George Washington University Sherly, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University LL.M. 1937, Harvard University Sheridan, Philip Henry B.S. in F. E. 1944, Worcester Polytechnic Institute Kans. Nev. Md. Nev. Skiller, Willard Stanley B.S. 1930, Hunter College B.S. 1940, Columbia University Skelly, George Martia Cuba Skillman, Douglas Benjamin B.S. 1942, Pennsylvania State College B.S. 1940, Columbia University Skelly, George Martia B.S. 1948, Pennsylvania State College B.S. 1940, Pennsylvania State College B.S. 1940, Columbia University Skelly, George Martia B.S. 1940, Columbia University Skelly, George	B.S. in E.E. 1939, Northeastern			71
LL.B. 1936, University of Missouri Sheafi, H. Joan A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1936, Wake Forest College Sheeran, James Joseph Sheeskin, Jacob Sheff, Irving A.B. 1948, Johns Hopkins University Sheekin, Jacob Md. Nov. Mass. A.B. 1948, Johns Hopkins University Skalak, Rose B.S. 1940, Columbia University Skelly, George Martin Va. Mass. Nov. Md. Nov. Mass. Nov. Md. Nov. Md. Nov. Mass. Nov. Md. Nov. Md. Nov. Mass. Nov. Md. Nov. Md. Nov. Mass. Nov. Md. Nov. Md. Nov. Mass. Nov. Md. Nov. Mass. Nov. Md. Nov. Mass. Nov. Nov. Md. Nov. Mass. Nov. Md. Nov. Mass. Nov. Nov. Md. Nov. Mass. Nov. Md. Nov. Mass. Nov. Md. Nov. Md. Nov. Mass. Nov. Nov. Md. Nov. Nov. Md. Nov. Nov. Md. Nov. Nov. Md. Nov. Mass. Nov. Nov. Md. Nov. Md. Nov. Nov. Md. Nov. Nov. Md. Nov. Nov. Mass. Nov. Nov. Md. Nov. Nov. Mass. Nov. Nov. Nov. Nov. Nov. Md. Nov. Nov. Mass. Nov. Nov. Nov. Md. Nov. Nov. Nov. Nov. Nov. Nov. Nov. Nov	Sharratt George	Kana	Sirkind Flior Irvin	Md.
A.B. 1948, Skidmore College Shearin, Plummer Mustian B.S. 1936, Wake Forest College Sheeran, James Joseph Sheeskin. Jacob Sheff, Irving A.B. 1948, The George Washington University Sherly, Laurence Polkinhora A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University Sheridan, Philip Henry B.S. in F. E. 1944, Worcester Polytechnic Institute Md. B.S. 1040, Columbia University Skelly, George Martin Va. B.S. 1042, Pennsylvania State College Skinner, Ernest Brown LL.B. 1932, Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1047, University of Wyoming Skevin, William Victor Smith, Charles Edwin Va. B.S. 1038, Pennsylvania State College N.Y. Skelly, George Martin Va. B.S. 1040, Columbia University Skelly, George Martin Va. B.S. 1042, Pennsylvania State College Skinner, Ernest Brown LL.B. 1932, Washburn Municipal University Other Columbia University Skelly, George Martin Va. B.S. 1040, Columbia University Skelly, George Martin Va. B.S. 1042, Pennsylvania State College Skilly, George Martin Va. B.S. 1042, Pennsylvania State College Skilly, George Martin Va. B.S. 1042, Pennsylvania State College Skilly, George Martin Va. B.S. 1042,	LL.B. 1936. University of Missouri	Scotto.	A.B. 1948, Johns Hopkins University	W.
Shearin, Plummer Mustian B.S. 1936. Wake Forest College Sheeran, James Joseph Sheeskin, Jacob Sheff, Irving A.B. 1948. The George Washington University Sherfy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University LL.M. 1937, Harvard University Sheridan, Philip Henry B.S. in F. E. 1944. Worcester Polytechnic Institute Md. Skalak, Rose A.B. 1940, Columbia University Skelly, George Martin Va. Skillman, Douglas Benjamin Va. Skill	Sheaff, H. Joan	Nev.	RS 1018 Pennsylvania State College	Vil.
B.S. 1936. Wake Forest College Sheeran, James Joseph Sheeskin, Jacob Sheff, Irving A.B. 1948. The George Washington University Sheffy, Laurence Polkinhora A.B. 1935, LLB. 1936. A.M. 1947. The George Washington University LL.M. 1937, Harvard University Sheridan, Philip Henry B.S. in F. E. 1944. Worcester Polytechnic Institute A.B. 1940. Hunter College B.S. 1940. Columbia University Skelly. George Martin Va. B.S. 1942. Pennsylvania State College Skinner, Ernest Brown LL.B. 1932. Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1940. Columbia University Skelly. George Martin Va. B.S. 1942. University of Topeka Skinner, Henry Ross A.B. 1940. Columbia University Skelly. George Martin Va. B.S. 1940. Columbia University Skelly. George Martin Va. B.S. 1940. Polyte, Polyt	A.B. 1948, Skidmore College	344	Skalak, Rose	N.Y.
Sheetan, Jaines Joseph Sheeskin, Jacob Sheff, Irving A.B. 1948, The George Washington University Sherfy, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University LL.M. 1937, Harvard University Sheridan, Philip Henry B.S. in E.E. 1944, Worcester Polytechnic Institute Skillman, Douglas Benjamin B.S. 1042, Pennsylvania State College Kans. LL.B. 1932, Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1947, University of Wyoming Slevin, William Victor Smith, Charles Edwin B.S. 1022, United States Naval Academy		Md.	A.B. 1919. Hunter College	
Sheeskin, Iacob Shefi, Irving A.B. 1948. The George Washington University Sherly, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University LL.M. 1937, Harvard University Sheridan, Philip Henry B. in F. E. 1944, Worcester Polytechnic Institute D.C. Mass. Skillman, Douglas Benjamin B.S. 1942, Pennsylvania State College Skinner, Ernest Brown LL.B. 1932, Washburn Municipal Va. Skinner, Frenest Brown L.B. 1932, Washburn Municipal Vol. B.S. 1947, University of Wyoming Slevin, William Victor Smth, Charles Edwin B.S. 1922, United States Naval Academy		N.J.	Shally Garra Martin	Cuba
Sheff, Irving A.B. 1948. The George Washington University Sherfy. Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University LL.M. 1937, Harvard University Sheridan, Philip Henry B.S. in E.E. 1944, Worcester Polytechnic Institute Mass. B.S. 1042, Pennsylvania State College Kans. Ll.B. 1932, Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1937, July 1947, University of Wyoming Slevin. William Victor Smth, Charles Edwin B.S. 1042, Pennsylvania State College Kans. Ll.B. 1932, Washburn Municipal University of Topeka Skinner, Ernest Brown Ll.B. 1932, Washburn Municipal University of Topeka Skinner, Ernest Brown Ll.B. 1932, Washburn Municipal University of Topeka Skinner, Ernest Brown Ll.B. 1932, Washburn Municipal University of Topeka Skinner, Henry Ross A.B. 1932, University of Wyoming Slevin. William Victor Smth, Charles Edwin A.B. 1932, United States Naval A.B. 1931, University of Wyoming Slevin. William Victor Smth, Charles Edwin A.B. 1932, United States Naval				
University Sherfy, Laurence Polkinhorn A.B., 1933, LL.B., 1936, A.M., 1947, The George Washington University LL.M., 1937, Harvard University Sheridan, Philip Henry B. S. in F. E. 1944, Worcester Polytechnic Institute L. M. 1947, Washburn Municipal University of Topeka Skinner, Henry Ross A. B., 1947, University of Wyoming Slevin, William Victor Smath, Charles Edwin B. S. 1932, United States Naval Academy	Sheff, Irving	Mass.	B.S. 1942, Pennsylvania State Colle	ge
A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University LL.M. 1937, Harvard University Sheridan, Philip Henry B.S. in F.E. 1944, Worcester Polytechnic Institute Chiversity of Topeka Wyo. A.B. 1947, University of Wyoming Slevin. William Victor Smith, Charles Edwin B.S. 1021, United States Naval Academy	A.B. 1948, The George Washington		Skinner, Ernest Brown	Kans.
A.B. 1933, LL.B. 1936, A.M. 1947, The George Washington University LL.M. 1937, Harvard University Sheridan, Philip Henry B.S. in F. E. 1944, Worcester Polytechnic Institute Skinner, Henry Ross A.B., 1947, University of Wyoming Skevin, William Victor Smith, Charles Edwin B.S. 1932, United States Naval Academy		Md.	University of Topeka	
LL.M. 1937. Harvard University Sheridan, Philip Henry B. S. in F. E. 1944, Worcester Polytechnic Institute A. B. 1947. University of Wyoming Slevin, William Victor Smath. Charles Edwin B. S. 1932. United States Naval Academy	A.B. 1933, LL.B. 1936, A.M. 1947,		Skinner, Henry Ross	Wyo.
Sheridan, Philip Henry B S. in F. E. 1944, Worcester Polytechnic Institute Mass. Smith, Charles Edwin B S. 1932, United States Naval Academy	The George Washington University		A B. 1947, University of Wyoming	Years
B.S. in F. E. 1944, Worcester B.S. 1921, United States Naval Polytechnic Institute Academy	Sheridan, Philip Henry	Mass.	Smith, Charles Edwin	
	BS, in F. E. 1944, Worcester		BS 1921. United States Naval	
Sheridan, Finisp Negas Fa. Smith, Chester Horace Nev.		D.		Man
	Sheridan, 1 may regis	F 8.	omich, Chester riorzos	MEV.

			-
Smith, Dorr Newell	Maine	Spivak, Richard Walter	Pa.
AB 1647, The George Washington		B.S. 1942, University of Pennsylvani Spivey, Thomas Denmuth	Va.
University	0	Spivey, Thomas Denmuth	V 4.
Smith, Dudley Burcham	Oreg.	A.B 1940, University of North	
B.S. in Eng. 1945, California School		Carol na Sponaugh, George Isaac	D.C.
of Technology	Utah	A B 1040 Shepherd College	210.
Smith, Edwin Stratford LL.B. 1944, The George Washington	Otali	A.B. 1940, Shepherd College Sroka, Edward Andrew	Va.
University		B.S. 1041. Purdue University	
Smith, George Francis	D.C.	B.S. 1941, Purdue University Stamation, Nicholas Constantine	D.C.
Snot Hagh Edward	N.Y.	LL.B. 1939, University of Athens	
BCI E. 1947, Rensselaer Polytechnic		LL.B. 1939, University of Athens Stanley, Farl R	Ohio
Institute		BS in 1 d 1943, Kent State	
Smith, Jack Albert	N.M.	University	0
St. th. lesse Bond	Md.	Staring, Ralphine Ronald	Oreg.
AB 1942, University of Virginia	121 -	A.B. 1937, Oregon State College A.M. 1911, Lorman State Universit	
Smith, Lawrence Sindair	Fla.	Stark John Regan	Va.
A B. 1939, University of Florida	D.C.	AB 1938, Cornell University	1 00.
AB 1047, The George Washington	D.C.	MPA 1916 New York University	
University		MPA 1946, New York University Steadman, Lewis Tilden	DC.
Sm th R d ind Robert	Va.	B.M.E. 1946. Syracuse University	
Smith, R. Card Robert Smith Thomas Warner	D.C.	Steenerson, Palmer Seymore	D.C.
A B 1945, The George Washington		Stell Edward	Va.
University	-	Stein Charles Edward	N.J.
Smith, Thurman	Tex.	Stein Charles Edward B.S. 1914. Case Institute of Technology	
BS 1940. Fast Texas State College	Va.	Casin Manuin	Pa.
Sm th. Wallace Morrell	Calif.	B.S. 1947, B.C.E. 1948, Rensselser	2 4.
Smolen, Joseph Sidney A B 1946, University of California	Cam,	Polytechnic Institute	
at Los Angeles		Stein, Murray	Va.
Snyder, Charles Thomas	Mich.	A.B. 1947. The George Washington	
\ B 1942 University of Michigan		Eniversity	
NB 1942 University of Michigan Soll Walter Wood, Ir.	III.	Steinbauer, Walter Henry, Jr.	D.C.
A.B. 1939, DePauw University		Steinbauer, Walter Henry, Jr. B.S. 1947, Emory and Henry College Steinberger, Hugh Marion	20.00
1.M. 1040. Georgetown University	Md.	B.S. in Comm. 1941. University of	D.C.
Solomon, Alvin Solomon Lewis Iay	N.Y.	Vagana	
Solrow, William Donald, Jr.	Ohio	Steiner, Archie Kenneth	Tenn.
B.M.E. 1948, Rensselaer Polytechnic		A.B. 1935, Lincoln Memorial	
Institute		University	
Somers. George Britton A.B. 1010, University of Richmond Soucek, Frank James	Va.	B.S. 1916. East Tennessee State	
A B. 1010, University of Richmond	2.0	Leachers College	
DEF 10.0 The Course Washinston	Va.	M.S. 1040. University of Tennessee Steiner. Paul Llewyn	nc
B.E.E. 1048, The George Washingto	103	Steinert, Leif Magne Emil	D.C D.C
Souther Arthur Fuller	Va.	Steinmeyer. Robert Jay	Nebr.
Southerland Elisabeth Lamkin	Ga.	B.S in E.E. 1941. University of	
A.B. 1040, University of Georgia		Nebraska	
Southmayo LeRoy, Jr.	Mont.	Stephens, John, Jr. A.B. 1946, The George Washington	Fla
Southwell, Paul M.	Va.	A.B 1946. The George Washington	
A.B. 1940. The George Washington		University	
Inversity	DC	Steplens, W. lliam Theodore	Md
Sowder, Richard Dunham	D.C.	Sterman, M.Fon	1. 2.
A.B. 1014. University of Kansas		Sterson, Richard	Md
LL.B. 1914, Harvard University Spain, Norman Noah	N.Y.	Stetson, Rafus Edwin, Jr A.B. 1947, Bowdom College	Maine
1.B. 1946, Brooklyn College		A B 194", Bowdom College	Pa.
Spann, George Klepfer	DC.	Stevas, Alexander Louis	Ohio.
Sparks, Edward D	Colo.	Stevens, Donal I I in or	Cimio
BS in F. F., 1946, University of		A B 1947, Mail enberg College Stevens, Wynne Allan, Jr	Md.
Oklahoma	-	A B 1919, College of William and	1410.
Spaul I v. John Henry	D.C.	Mary	
Spector, Eugene Paul	Mass.	Stewart Clark Berry	EM.
A.B. 1947. The George Washington University		B.M.E. 1945. Clemson College	
Spector, George	N.Y.	Stewart, David Alfred, Jr.	Miss.
B C.E. 1942, M.C.E. 194".		Stewart, Francis John	Pa.
Polytechnic Institute of Brooklyn		A.B. 1948, West Virginia University	-
Spencer, Charles Ellis	Mass.	Stewart, Rodney Ward	D.C.
A.B 1918, Clark University	21.21	AB 1911, Carleton College	
Spitz, Herbert	N.Y.	A.M. 1914, University of Chicago Ph.D. 1938, Harvard University	
A.B. 1947. Brooklyn College		Til D. 1930, Haivaid Chieffity	

Stickney, Bernard B.S. 1938, College of the City of	N.Y.	Sweitzer, Henry Becker B.S. 1941, United States Naval	Pa.
New York Stifler, William Warren, Jr. A.B. 1939, Amherst College	Md.	Academy Sylvester, Eugene Paul	N.J.
Stiles, Meredith N., Jr.	N.J.	Т	
A.B. 1946, Amherst College Stilson, Lewis Francis	D.C.	Taaffe, Jesse Nel A.B. 1941. North Texas State	Tex.
Stitelman, Joseph B.S. in E.E. 1934, Cooper Union	D.C.	Teachers College Taloya, Ben	Md.
Stock, William Stark B.S. 1937, Mount St. Mary's College	Va.	Tait, Reid Clifford	D.C. Va.
M.B.A. 1939, University of Pennsylvania		Tanner, Thomas Louis, Jr. Tansing. Richard Moldo	Oreg.
Stockell, Charles White A.B. 1948, Vanderbilt University	D.C.	B.S. 1948. University of Oregon Tarrant, William Theodore, Jr.	D.C.
A.B. 1948. Vanderbilt University Stoll, Ervin Wightman B.S., in B.A. 1947, LL.B. 1948. University of South Carolina	S.C.	A.B. 1938, Stanford University A.M. 1939, Tufts College	
University of South Carolina Stonebraker, Dan	N.Y.	Tashjian, Lee C. Tashof, Joseph Henry	D.C.
A B. 1947. University of Rochester Strauss, William Sigfrid	Va.	Taussig, Joseph Kneffer, Jr. B.S. 1941. United States Naval	R.I.
A.B. 1932, Ph.D. 1933, University of Wurzburg, Germany	Val.	Academy Tavenney, Frank Brennan	Va.
atren, Samuel Stephen	D.C.	Taylor, Andrew Eustace B.S. in M.E. 1947, Tufts College	Md.
Stre.nz, Clare Julia Strickler, Helen Louise	Pa. Okla.	Taylor, Dyer Justice Taylor, Edward Rathbon	D.C.
A.B. 1947, University of New Mexico		A.B. 1947, Lafayette College	Hawaii
Strong, Ralph Lavell Strother, Calvin Arnold	DC. Okla.	A.B. 1948, The George Washington University	210.0011
A.B. 1947. Harvard University Stuart, Jasper Edwin	D.C.	Taylor, Thomas Hart B.S. 1940, United States Naval	Ohio
Stultz, Norman Frederick Stultz, Travers David	Mass. Md.	Academy Tebeau, John Peter	R.I.
B.S. 1948, St. Louis University Sudnik, Louis Frederick	Mass.	Techner, Martin Richard	Va.
B.S. 1941. United States Coast Guard Academy		Teltser, Harold Robert Tennant, William Samuel, Jr.	N.J. S.C.
B.S. in Ch.E. 1944, Newark College	N.J.	A.B. 1948, The Citadel Tenny, Morgan Ledyard	Md.
of Engineering Sullivan, Arthur Victor Sullivan, Thomas Vincent	D.C.	A B. 1947, The University of Maryland	
Sullivan, Thomas Vincent A.B. 1942, New York University	N.Y.	Terkoski, Sylvester Adolf Terry, George Mulford	Pa. Md.
Summer, Leonard	Va.	A.B. 1947. The George Washington University	
B.S. 1933, M.S. 1938, College of the City of New York		Thackston, Carl Richard A.B. 1948, Furman University	S.C.
B.S. 1948, University of Alabama	Ala.	Theobald, Frederick H. Theophilos, George John	Ky.
LL.B. 1940, University of Richmond A B 1946, West Virginia University	D.C.	Theriault, Rene John Thomas, Earl Arunah	Va. D.C.
Sures, Charles Stanley A.B. 1947, The George Washington	DC.	Thomas, Franc Vesta A.B. 1943, The George Washington	Fla.
A.B. 1947, The George Washington University		University Thomas, Henry Wolcott, Jr.	Va.
Sussholz, Leonard B A.B. 1948, The George Washington	N.Y.	A B. 1915, Amherst College Thomas, James Louis, Jr.	Md.
University Sutherland, Henry Clifton	Va.	Thomas, Laura Eleanor	D.C.
B.S. 1942, Virginia Military Institu Swan, Robert E.	te	A.B. 1040. The George Washington	
B.S. 1917. College of Puget Sound LI. B 1948. The George Washington	Va.	Thomas, Ralph Leslie B.E.E. 1947. University of Louisville Thomas, William Henry	Fla.
University		Thomas, William Henry Thompson, Lucius Fred Thompson, Thomas Carlton	Ga.
Swartz, Christian LeFevre BS in Econ 1937, University of	Va.	D.S. 1948. University of Pennsylvan	
BS in Leon 1937, University of Pennsylvania Ll. B. 1946, Temple University		Thorniley, Robert Miller Thornton, Percy	D.C. N.C.
Sweeney, James Charles, Jr.	Va.	Threadgill, William James AB 1947. University of Mississippi	Miss.
B S. 1948, University of Denver		Thurmond, Cornelius Brooks, Jr.	Ga.

THE P. LEWIS 1.	Wa	Vanna William Frank	Ala.
Tibbott, David Winship B.M.E. 1945, University of Virginia	Va.	Vance, William Frank A.B. 1941, Birmingham-Southern	2310.
Tillman, Murray	N.Y.	College	
A.B. 1944. Brooklyn College		V days over On illa Laranh	DC.
Tillmann, Alfred Albert	N.Y.	B.S. in Ed. 1941, State Teachers	
B.S. 1941. New York University Tillson, Paul Lambert	Va.	B.S. in Ed. 1941, State Teachers College, White Water, Wis Van Deusen, John	DC.
B.S. 1918, M.S. 1939, Massachusetts	VA.	A.B. 104N Brown University	
Institute of Technology		A.B. 1948, Brown University Van Meter, Ellsworth Evans	Va.
Timbie, Donald Nute	Md.	A.B 1932, Indiana State Teachers	
B.S. in E.E. 1010, Massachusetts Institute of Technology		College	1.
Institute of Technology	Md.	Van Meter, William Garrett Van Ostmand, Dean Baity	N.Y.
Tobin, Kenneth Edmund, Jr.	IVIG.	B.Ch E. 1948, Rensselaer Polytechnic	
B.S. 1047, Georgetown University Tombaugh, Paul Leslie	III.	Imstitute	
B.M.E. 1946, Georgia School of		Varoutsos, Paul George	Va.
Technology	2.1	Vaughter, Swift	Ga.
Townsend, Robert Arnold	Mass.	A B 1028, Mercer University Villalon, Edward Gonzales	DC.
B S 1943, Harvard University Trabb, Ralph	N.Y.	Villechaise, Jean Andre	DC.
A B. 1947. The George Washington		Doctor of Laws 1946, University of	
University		Paris	011
Travagling, Vincent D. Trenaman, John Irving	Va.	Vinciquerra, John Vincent	Ohio
Trenaman, John Irving	Va.	A.B. 1939, University of Akron Vitale, Michael Joseph	N.I.
A.B. 1941, University of Illinois Trent, Curtis Ballard, Jr.	W.Va.	Vogel, Alphonse	D.C.
A.B. 1941, Marshall College		LL.B 1931, University of Bucharest	
A.B. 1941, Marshall College Trentacosti, Rosario Charles Treumann, Walter	N.Y.	Vorder Bruegge, Howard Joseph	Tenn.
	Mo. N.M.	***	
A.B. 1942, New Mexico College of	TA TAT.	W	
Agriculture and Mechanic Arts		Wacker, Stella Czuba	Md.
Trojano, Frank Anthony	N.Y.	AB 1917, Ohio State University Wagman, Theodore David	2.4
A.B. 1949. The George Washington		Wagman, Theodore David	Mass.
University Truheart, William Clyde	Va.	A B 1030, A.M. 1040, Beston University	
B.S. 1910, A.M. 1941, University of	V 01.	Waldron, Richard Vernell	III.
Virginia		B.S. is Ed 1918, Southern Illinois	
Tuberty, John Patrick A.B. 1946, Lehigh University	Pa.	Normal University	2126
A.B. 1946, Lehigh University	C	Walker, Dale B Walker, John Cusworth III	D C
Tuchmann, Norman A.B. 1948, The George Washington	Conn.	A.B. 1045 Duke University	1, (
University		A.B. 1948, Duke University Walker, Paul Howard	Miss.
Lucker, Lyman Kay	Tex.	I.I. B 1945. The George Washington	
Tucker, Simon	N.Y.	University	337 1
B.S. 1040, College of the City of New York		Walkinshaw, Walter A.B. 1939, University of Washington	Wash,
M.P.A. 1943. New York University		Walsh, James Franklin	DC.
Tully, John Montgomery	W.Va.	B.S. 1946 University of Illinois	
Turkal, Donal Lloyd	Md.	Wambach, Richard Fidel as	N.D.
Turner, Clarence William, Jr.	D.C.	A.B 1948, Duke University	China
B.S. in M.E. 1947, Purdue University Twining, James Edward, Jr.	N.J.	Wann, Hsueh-jeh AB 1944, Ll. B 1936, The George	China
A.B. 1941. Union College	01.31	Washington University	
A.B. 1941, Union College M.S. 1943, Syracuse University		Warman I Will am Davies	DC
Tzarnes, Christ	D.C.	Warner, Brassard Henry III	Md
Tzarnes, Christ A.B 1047. The George Washington University		Warner, Braduard Henry III B.E.E. 1949. Yale University Warner, Joan Carol	DC.
University		B.S. 1942, Duquesne University	DC.
U		Warner, Philip Lambert	Va.
Umstead, Lyman John	Pa.	A.B. 1948, American University Washington, Fielding Lewis	
A.B. 1948, The George Washington	A 01.	Washington, Fielding Lewis	Va.
University		Wishington, James William A B 1046, Lafayette College	N.J
Ussery, Harry McRae	N.C.		Hawaii
V		A.B. 1048. University of Hawaii	
· ·		Warkins, William Henry	DC.
Vaccaro, Camillo Jimmie	1)('.	B.S. 1940, University of Maryland	N. 1
Vache, Barbara Marie Vail, Benjamin Anthony	Ohio W.Va.	Watson, Charles Roger, Jr A.B. 2028, Princeton University	NJ.
A B 1940, West Liberty State College		Witson, James Edwin	W.Va.
Vance, John Thomas	D.C.	A.B. 1041. Colgate University Watt, William Alexander	
A B. 1947. Montana State University	Y	Watt, William Alexander	Va.

A.B. 1043, University of Maryland College Washington Wayland, Congress Price Weaver, Gibert Earl A.B. 1047, Lenoir-Rhyne College Reaver, Paul Eliwood B.S. 1948, University of North College Washington Webs, Litenty Gorbam A.B. 1048, University of Kansas Webb, Jack Bassett A.B. 1048, University of Washington University Webs, Racina William A.B. 1048, University of Wisconsin Webs, Exchand A.B. 1048, University of Wisconsin Webse, Exband B.S. 1044, Cornell University Webse, Aller Goorge Washington University Webse, Aller Goorge Washingto	Watts, Byron C. A.B. 1949. The George Washington	D.C.	White, Ruth Baskin	Nebr.
Wasyer, Oughas Price A.B. 1048. The George Washington Unaversity Wesver, Gilbert Earl A.B. 1049. Lenoir-Rhyne College W.B. 1049. Lenoir-Rhyne W.B. 1049. Lenoir-Rhyne Rhyne College W.B. 1049. Lenoir-Rhyne College W.B. 1049			A.B. 1943, University of	
Weaver, Douglas Price A.B. 1043. The George Washington Weaver, Glober Earl A.B. 1043. Lenov-Rhyne College B.S. 1043. University of North Carbon Webb, Henry Webb, Henry Webb, Henry Webb, Henry Webb, Henry Webb, Jack Bassett A.B. 1048. University of Kansas Webb, Jack Bassett A.B. 1048. The George Washington Webb, Rober Belaw Washington Webb, Rober Labourd Robert B.S. 1048. The George Washington Webb, Rober Labourd Wilsonsin Webb, Rober Labourd Wilsonsin A.B. 1048. University of Wisconsin A.B. 1048. University of Wisconsin A.B. 1048. University of Wisconsin College, La Crosse B.B.A. 1048. University of Maryland Webser, Ale, Gardner B.S. 1048. The George Washington Wester, Elekard B.S. 1048. All the Washington Conn. A.B. 1048. University of Minnesota L.B. 1049. The George Washington Wester, Elekard B.S. 1048. Wilsonsin State Teachers College, La Crosse B.B.A. 1048. University of Minnesota L.B. 1049. The George Washington Wester, Ale, Gardner B.S. 1048. The George Washington Wester, Elekard B.S. 1048. Wilsons Charles Wilson, Charles Louis Web, Robada Abastin B.S. 1048. Wilsons Tex. Wilson, Charles Louis Wilson, Ch	Wayland, Clarence Raymond		White. Thomas Arthur	Va.
Weaver, Glibert Earl A.B. 1047, Lenoir-Rhyne College Weaver, Paul Elwood B.S. 1048, University of North Web, Jack Bassett A.B. 1048, University of North Web, Jack Bassett A.B. 1048, University of Kanaas Web, Joseph Coates A.B. 1048, The George Washington Web, Rorand William A.B. 1048, The George Washington Web, Rorand William A.B. 1048, University of Wisconsin Websser, John Mark R.S. 1042, University of Wisconsin Websser, John Mark R.S. 1043, University of Maryland Websser, John Mark R.S. 1043, University of Minnesota LL.B. 1047, The George Washington Wesser, Allen Gardner B.S. 1048, The George Washington Wesser, John Mark R.S. 1048, University of Minnesota LL.B. 1047, The George Washington Wesser, Milton B.S. 1048, William Fed Wesser, John Mark R.S. 1048, Visconsin State Teachers College, La Crowse B.B. A 1048, University of Minnesota LL.B. 1047, The George Washington Wesser, Milton B.S. 1048, Mark Maine D.C. Miltimore, Daniel Norman Whitmore, Charles Warren Whitmore, Charles Warren Whitmore, Daniel Norman Milton B.E. I. 1040, Reaseder Polytechnic Inversity Whitmore, Daniel Norman Whitmore	Weaver, Douglas Price	Iowa	B.S. 1943, West Virginia University	D.C.
A.B. 1047. Lenoir-Rhyne College Weaver, Paul Elwood B.S. 1048, University of North Web, Jack Basset Web, Jenyt Grotham B.S. 1048. University of Kansas Web, Joseph Coatea A.B. 1048. University of Kansas Web, Joseph Coatea A.B. 1048. University of Kansas Web, Jack Basset A.B. 1048. University of Maryland Web, Jack William A.B. 1044. Teas Christian University Whitmore, Daniel Norman Whitmore, Daniel Nor			B.S. 1041. Wake Forest College	
B.S. 1948, University of North Whitmore, Daniel Norman Whitmore, Dani	Weaver, Gilbert Earl	D.C.	J.D. 1048. The George Washington	
B.S. 1948, University of North Whitmore, Daniel Norman Whitmore, Dani	A.B. 1947, Lenoir-Khyne College Weaver, Paul Elwood	D.C.	Whitmore, Charles Warren	Va.
Webb. Henry Gorham B.S. 1018. University of North Carlotte A.B. 1048. University of Kanasa Webb. Joseph Coates A.B. 1048. The George Washington University Webb. Rad ad Wilham A.B. 1048. Wilham Conn. A.B. 1048. Wilham Conn. A.B. 1048. University of Wisconsin Webs. Falsa. College. La Crosse B.B. A. 1048. University of Wisconsin Webs. La Crosse B.B. A. 1048. University of Minnesota L.B. 1049. The George Washington University West. A.B. 1049. University of Minnesota L.B. 1047. The George Washington University West. A.B. 1048. University of Minnesota L.B. 1047. The George Washington University West. A.B. 1048. University of Minnesota L.B. 1049. The George Washington University West. A.B. 1049. The George Washington University West. A.B. 1049. University of South Dakota West. Luckie Bard A.B. 1048. University of Minnesota L.B. 1049. The George Washington University Wendt. Carl Morten A.B. 1048. The George Washington University Wendt. Carl Morten A.B. 1048. University of Minnesota University Wendt. Carl Morten A.B. 1049. University of South Dakota West. Luckie Bard A.B. 1048. University of Maryland West. Lucker Charles A.B. 1049. The George Washington University William Ruchard Give William Ru	B.S. 1948, United States Military		Whitmore, Daniel Norman	
Webb. Jack Bassett A.B. 1048. University of Kanasa Webb. Joseph Coates A.B. 1948. The George Washington University Webb. Rava d William A.B. 1049. William A.B. 1049. William Conn. A.B. 1044. William Conn. A.B. 1044. William Conn. B.S. 1044. Coave B.B. A. 1048. University of Wisconsin Webseler, Island B.S. 1044. University of Wisconsin Webseler, Island B.S. 1044. University of Minnesota L.L.B. 1047. The George Washington University Wese. Alter Gardner B.S. 1048. University of Minnesota L.L.B. 1047. The George Washington University Wese. S. dravy Wese. Alter Gardner B.S. 1048. The George Washington University Wese. S. dravy Wese. Alter Gardner B.S. 1048. The George Washington University Wese. S. dravy Wese. Alter Gardner B.S. 1048. The George Washington University Wese. S. dravy Wese. Alter Gardner B.S. 1048. The George Washington University Wese. S. dravy Wese. Alter Gardner B.S. 1048. The George Washington University Wese. S. dravy Wese. Alter Gardner B.S. 1048. The George Washington University Wese. S. dravy Wese. Alter Gardner B.S. 1048. The George Washington University Wese. Alter Gardner B.S. 1048. The George Washington University William Richard Bruce B.S. 1048. The George Washington University William Richard Bruce B.S. 1048. The George Washington University William Richard Gray Washington University Williams Fred Wese. College Williams Fred D.C. Wese. Luctle Bard A.B. 1045. University of Oklahoma Wese. Collen Fart B.S. 1048. The George Washington University Williams Fred D.C. Wese. Luctle Carles A.B. 1045. Brunningham-Southern College Williams Fred Dakota Wese. Alter Davies the Gardner B.S. 1048. The George Washington University Williams Leonard John Williams Richard Gray Williams Leonard John Williams		N.C.	Whitney, George Ward	N.Y.
Webb, Jack Bassett A.B. 1048, University of Kansas Webb, Joseph Coates A.B. 1048, The George Washington University Webb, Revard William A.B. 1048, The George Washington University Webb, Revard William A.B. 1048, University of Wisconsin University Webb, Revard William A.B. 1048, University of Wisconsin Webster, Edward Robert B.S. 1048, University of Wisconsin Webster, Lidward Robert B.S. 1048, University of Minnesota University Webb, Revard William A.B. 1047, The George Washington Wester, Edward Robert B.S. 1048, University of Minnesota University Webb, Revard William B.S. 1048, University of Minnesota B.S. 1048, The George Washington Wester, Milliam Furches, Jr. Webb, Revard William Furches, Jr. Whater, Robert Lawson Wheter, Robert Lawson White, Joseph Challer Williams Field Donald D.C. B.S. 1048, University D.C. Wester, Milliam Furches, Jr. Webb, Revard William Furches, Jr. White Robert Lawson White, Joseph Coate William Furches, Jr. White, Joseph Coate William Furches, Jr. White, Joseph Challer Williams Field Donald University Williams, Leonard John Wil	B.S. 1018, University of North		B.E.E. 1040. Rensselaer Polytechnic	
Webb, Joseph Coates A.B. 1948. The George Washington Webb, Real and William A.B. 1949. The George Washington Webb, Real and William A.B. 1949. The George Washington Webb, Real and William A.B. 1949. University of Wisconsin B.S. 1944. Carefell University Wisconsin State Teachers College. La Crosse B.B. 1948. University of Wisconsin B.S. 1944. Carefell University Wisconsin State Teachers College. La Crosse B.B. 1948. University of Wisconsin B.S. 1944. Carefell University Wisconsin State Teachers College. La Crosse B.B. 1948. University of Wisconsin B.S. 1944. Carefell University Wisconsin State Teachers College. La Crosse B.B. 1948. University of Wisconsin B.S. 1944. Charter Leavin Reason Conn. A.B. 1948. University of Minnesota L.B. 1948. University of Minnesota L.B. 1949. University Wisconsin Fred B.S. 1944. Charter Leavin Reason D.C. Wisconsin State Teachers College Wisconsin State Teachers College Williams Leas Christian D.C. Williams Fred Donald B.S. 1944. Valversity Williams Don Frank Wilkins, Don Frank Wilkins, Don Frank Wilkins, Don Frank Wilkins, Elrabeth Ann Wilkins, Don Frank Wilkins, Don Grank B.S. 1942. University Williams, Don Grank Maine Williams, Loonard John Williams, Don Grank Williams, Don Grank Williams, Don Grank Main		Maine	list trite	Tex
Webb. Joseph Coates A.B. 1948. The George Washington University Webs. Ray a William A.B. 1948. The George Washington Liversaty Webs. Ray a William A.B. 1949. Wisconsin State Teachers College. La Crosse B.B. A. 1948. University of Wisconsin Wesser. Flant B.S. 1942. University of Wisconsin Wesser. Flant B.S. 1943. The George Washington University Wers. Alle. Gardner B.S. 1943. The George Washington University Wess. Alle. Gardner B.S. 1943. The George Washington University Wess. Alle. Gardner B.S. 1943. The George Washington University Wess. Alle. Gardner B.S. 1943. The George Washington University Wess. Alle. Gardner B.S. 1943. The George Washington University Wesser. Santey B.S. 1943. The George Washington University Wendt. Carl Morten A.B. 1943. Annoya, University Wendt. Carl Morten A.B. 1943. Wilsam Fred Wesser. University of Oklahoma Wesser. Clien Farl B.S. 1943. University of Maryland Wesser. Clien Farl Wharry, Llewellyn Russell Wheeler, Arthur Adrian Wesser. Clien Farl Wharry, Llewellyn Russell Wheeler, Liwal Strepten A.B. 1944. American University Wallsam, George Allison Wilsam, Ge	A.B. 1048. University of Kansas	INTWILE	B.S. in Ch.E. 1948, Rice Institute	
Webb. Ray a d William A B Lage. The George Washington Unave ty Weber. Ealward Robert B.S. 1948. Wisconsin State Teachers Collège. La Crosse B.B.A. 1948. Curversity of Wisconsin Webster. Floated B.S. 1948. University of Wisconsin Webster. Floated B.S. 1948. University of Minnesota LL.B. 1947. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Weres. Alle. Gardner B.S. 1948. The George Washington University Williams. Leonard John Williams. Robard Giny Va. A.B. 1948. Divise and Elkins College Willers. John Raymond A.B. 1944. University of Minnesota Wesser. William Purches, Jr. Wharry. Llewellyn Russell Wheeler, Arthur Adrian Wesser. Cilege Willers. John Raymond Webster College Willers. John Raymond A.B. 1944. University Williams. Leonard John Williams. Robard Giny Va. A.B. 1944. University of California at Los Angeles LLB. 1944. University of California at Los Angeles LLB. 1945. University of Southern California Williams. Leonard John Williamson. Daniel Letter, Jr. Williamson. John George A.B. 1944. William Fied Wash. The George Washington University Williamson. Robard Giny Williamson. John George A.B. 1944. University Williamson. John George A.B. 1944. University of California at Los Angeles University University of California at Los Angeles Williams. Leonard John Williamson. Daniel Letter, Jr. Williamson. Daniel Letter, Jr. Williamson. John George A.B. 1944. University of California at Los An	Webb. Joseph Coates	D.C.	Whitwell, Sanford MacCallum	Pa.
Weber, Edward Robert B.S. 1948, Wisconsin State Teachers Collège, Lu Crosse B.B.A. 1948, Luversity of Wisconsin Webster, Edward B.S. 1948, University of Minnesota LL.B. 1947, The George Washington University Wester, Alex Gardner B.S. 1948, The George Washington L.B. 1947, The George Washington University Wester, Alex Gardner B.S. 1948, The George Washington University Wester, Alex Gardner B.S. 1948, The George Washington University Wester, Alex Gardner B.S. 1948, The George Washington University Wester, Alex Gardner B.S. 1948, The George Washington D.C. B.B.A. 1948, Survey College of the City of New York Wester, Alex Gardner B.S. 1948, The George Washington D.C. B.B.A. 1948, The George Washington D.C. Williamson, Richard Bruce Williams, Lonathy Elizabeth A.B. 1948, The George Washington D.C. Wester, May Star A.B. 1948, Williams, Lonathy Elizabeth A.B. 1948, The George Washington University Williams, Lonard John			Wintworth, Lewis Beaman	Md
Weber, Edward Robert B.S. 1948, Wisconsin State Teachers Collège, Lu Crosse B.B.A. 1948, Luversity of Wisconsin Webster, Edward B.S. 1948, University of Minnesota LL.B. 1947, The George Washington University Wester, Alex Gardner B.S. 1948, The George Washington L.B. 1947, The George Washington University Wester, Alex Gardner B.S. 1948, The George Washington University Wester, Alex Gardner B.S. 1948, The George Washington University Wester, Alex Gardner B.S. 1948, The George Washington University Wester, Alex Gardner B.S. 1948, The George Washington D.C. B.B.A. 1948, Survey College of the City of New York Wester, Alex Gardner B.S. 1948, The George Washington D.C. B.B.A. 1948, The George Washington D.C. Williamson, Richard Bruce Williams, Lonathy Elizabeth A.B. 1948, The George Washington D.C. Wester, May Star A.B. 1948, Williams, Lonathy Elizabeth A.B. 1948, The George Washington University Williams, Lonard John	Webb, Rata d William	Conn.	W. lman, Charles Louis	
Webster, Lohn Mark B.S. 1948. University of Wisconsin Webster, Iohn Mark B.S. 1948. The George Washington University Wesse, Allet Gardner B.S. 1948. The George Washington University Wesse, Allet Gardner B.S. 1948. The George Washington University Wesse, Allet Gardner B.S. 1948. The George Washington University Wesse, Allet Gardner B.S. 1948. The George Washington University Wesse, Allet Gardner B.S. 1948. The George Washington University Wesse, Allet Gardner B.S. 1948. The George Washington University Wesse, Allet Gardner B.S. 1948. The George Washington University Wesse, Allet Gardner B.S. 1948. The George Washington D.C. Wilkinson, Richard Bruce B.S. 1948. Newark College of Figureering Wilkinson, Richard Bruce B.S. 1948. The George Washington D.C. Walkinson, Richard Bruce B.S. 1948. The George Washington University Wilkinson, Richard Bruce B.S. 1948. The George Washington D.C. Walkinson, Richard Bruce B.S. 1948. The George Washington University Wilkinson, Richard Bruce B.S. 1948. The George Washington D.C. Walkinson, Richard Bruce B.S. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington D.C. Walkinson, Richard Bruce B.S. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Wilkinson, Chorthy Elizabeth A.B. 1948. The George Washington University Williams, Leon			W.er, Richard Austin	164.
Wester, Fixants B. S. 1942. University of Minnesota B. S. 1942. University of Minnesota L.B. 1947, The George Washington University Wester, Alle: Gardner B. 1948. College of the City of New York Wester, Alle: Gardner B. 1948. College of the City of New York Wester, J. Milton B. L. B. 1949. Newark College of New York Wester, J. Milton B. L. Golffer of the City of New York Wester, J. Milton B. L. B. 1948. The George Washington University Wendt. Carl Morten A.B. 1948. The George Washington D.C. Wilkins, Don Frank Wilkins, Elizabeth Ann Wilkins, Newark College of Engineering Wilkins, Elizabeth Ann Wilkins, Newark College of Engineering Wilkins, Din Frank Wilkins, D	Weber, Edward Robert	D.C.	University	
Wester, Fixants B. S. 1942. University of Minnesota B. S. 1942. University of Minnesota L.B. 1947, The George Washington University Wester, Alle: Gardner B. 1948. College of the City of New York Wester, Alle: Gardner B. 1948. College of the City of New York Wester, J. Milton B. L. B. 1949. Newark College of New York Wester, J. Milton B. L. Golffer of the City of New York Wester, J. Milton B. L. B. 1948. The George Washington University Wendt. Carl Morten A.B. 1948. The George Washington D.C. Wilkins, Don Frank Wilkins, Elizabeth Ann Wilkins, Newark College of Engineering Wilkins, Elizabeth Ann Wilkins, Newark College of Engineering Wilkins, Din Frank Wilkins, D	B.S. 1946, Wisconsin State Teachers		Wild Paul Joseph	lowa
Wilkins, Don Frank Utah BS. 1042, The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington DC. AB. 1943. The George Washington University Williams, Loon Charles Williams, John Raymond Maine AB. 1943. The George Washington University Williams, John Charles Williams, John Marshall BS. 1943. The George Washington University Williams, John Marshall BS. 1943. The George Washington University Williams, Leonard John Williams, Leonard John Williams, Leonard John Williams, Richard Groy Williams, Leonard John Williams, Leonard John Williams, Richard Groy Williams, Leonard John Williams	B B A. 1948. University of Wisconsi	in		D.C.
Wilkins, Don Frank Utah BS. 1042, The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington Utaristy Wester, Aller Gardner BS. 1943. The George Washington DC. AB. 1943. The George Washington University Williams, Loon Charles Williams, John Raymond Maine AB. 1943. The George Washington University Williams, John Charles Williams, John Marshall BS. 1943. The George Washington University Williams, John Marshall BS. 1943. The George Washington University Williams, Leonard John Williams, Leonard John Williams, Leonard John Williams, Richard Groy Williams, Leonard John Williams, Leonard John Williams, Richard Groy Williams, Leonard John Williams	Webster, F. Iward	DC.	BS in F.E. 1947, Stanford	
Wilkinson, Richard Bruce B S 1948. The George Washington Us versity West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1943. The George Washington University Williams, John Marshall B S 1944. Yale University Williams, Leonard John Williams, Leonard John Williams, Leonard John Williams, Leonard John Williamson, Daniel Lester, Jr. Williamson, Daniel Lester	Webster, John Mark	D.C.	Wilking Don Frank	Utah
Wilkinson, Richard Bruce B S 1948. The George Washington Us versity West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1942. College of the City of New York West, S duey B B A 1943. The George Washington University Williams, John Marshall B S 1944. Yale University Williams, Leonard John Williams, Leonard John Williams, Leonard John Williams, Leonard John Williamson, Daniel Lester, Jr. Williamson, Daniel Lester	B S. 1042, University of Minnesota			
B S 1948. The George Washington Usersety Weeks, Scheey B B A 1942. College of the City of New York Wesser as, Milton B C F 1949. Milton South Dakota Wendt, Lucile Bard A B 1942. University of South Dakota Wesser, William Fred Wesser, William Fred Wesser, William Fred Wesser, Mary Sharr College Wesser, Milton Fred Wesser, University of Oklahoma Wesser, Milton Fred Wesser, Milton Fred Wesser, University of Oklahoma Western, Glen Farl B S 1943. University of Maryland Wetherbee, Fairland Henry Wetherbee, Fairland Henry Wetherbee, Fairland Henry Wetherbee, Mary Starr A B 1943. University of Minnesota Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Mary Starr A B 1942. King College Whitsen, Edwa I Stephen A B 1942. King College Whitsen, Edwa I Stephen A B 1942. King College Whitsen, Edwa I Stephen A B 1942. King College Whitsen, Isone, Hill A B 1944. American University White, Robert Bellaumine White, Robert Llaund White, Robert Claude Williams, John Marshall A B. 1948. The George Washington University Williams, John Marshall B S in East, 1936, East Central State College Williams, Robert Glonge Williams, Robert Glonge Williams, Leonard John Williams, John Marshall B S in East, 1936, East Central State College Williams, Leonard John Williams, John Marshall B S in East, 1936, East Central State College Williams, John William A B 1948, The George Washington University Williams, Leonard John Williams, John William A B 1949, The George Washington Univer	LL.D. 1947, The George Washington			Md.
Williams, Leonard John West all, Tell B. P. S. 1942. University of South Dakota West all, Tell B. P. S. 1942. University of Oklahoma West all, Tell B. P. S. 1942. University of Oklahoma West all, Tell B. P. S. 1942. University of Oklahoma West all, Tell B. P. S. 1942. University of Oklahoma West all, Tell B. P. S. 1942. University of Oklahoma West all, Tell B. P. S. 1942. University of Oklahoma West all, Tell B. P. S. 1942. University of Oklahoma West all, Tell B. P. S. 1942. University of Maryland Wetherbee, Fairland Henry Wetherbee, Fairland Henry Whence, E. Mary Starr A. B. 1943. University of Minnesota Whoder, Mary Starr A. B. 1942. Kunk College Whitsker, Edwar J. Stephen A. B. 1942. Kunk College Whitsker, Edwar J. Stephen A. B. 1943. University of Minnesota Whate, Robert Losep, Hill A. B. 1943. American University White, Robert Bellammine Whate, Robert Bellammine Whate, Robert Llynn Whate, Robert Llynn William, Vale University Williams, John Wallam A. B. 1943. University of California at Los Angelea LLB 1945. The George Washington University Williams, Iohn Grarles Williams, Leonard John Williams, Leonard	Wesse, Aller Gardner	Md.	Engineering	
B B A 1942. College of the City of New York Wessn as, Milton B C F 1930. New York University Wendt, Carl Morten A.B. 1937. A.M. 1939. University of South Dakota Wendt, Lucile Bard A.B. 1948. The George Washington University Welliams, John Marshall B S 1942. University of South Dakota Wesser, William Fred Wessiall, Ted B. P S 1942. University of Oklahoma Wesson, Glen Farl B S 1943, University of Maryland Wetherbee, Fairland Henry Wetherbee, Fairland Henry Whence, Fairland Henry Whence, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Mary Starr A B 1942. Kins College Whitson, Edwar J Stephen A B 1942. Kins College Whitson, Edwar J Stephen A B 1942. Kins College Whitson, Edwar J Stephen A B 1942. Kins College Whitson, Edwar J Stephen A B 1942. Kins College Whitson, Edwar J Stephen A B 1942. Kins College Whitson, Edwar J Stephen A B 1942. Kins College Whitson, Edwar J Stephen A B 1944. American University White, Robert Losep, Hill A B 1944. American University White, Robert Elelarmine White, Robert Elelarmine White, Robert Llynn Walliams, John Marshall B S in Edg. 1936, East Central State College Williams, John Marshall B S in Edd. 1936, East Central State Williams, John Garden Williams, Leonard John Williams, Rubard Guy AB 1936, Davis Milliam AB 1948. The George Washington University Williams, John Marshall B S in Edd. 1936, East Central State College Williams, Leonard John Williams, Rubard Guy AB 1948. The George Washington University Williams, John Garden Williams, Leonard John Williams, Rubard Guy AB 1936, University of Milliams AB 1948. The George Washington University Williams, John William AB 1936, Lucia dividence Williams, Leonard John Williams, Rubard Guy AB 1936, University University Williamson, John George AB 1948, The George Washington University Williamson, John George Williams, Rubard Guy AB 1948, University of Milliams AB 1948, University of Milliams AB 1948	B S 1948. The George Washington		Willard, Walter Gordon	
New York Wessen at, Milton B. C. F. 1930. New York University Wendt. Carl Morten A.B. 1937, A.M. 1939. University of South Dakota Wendt, Lucile Bard A.B. 1932. University of South Dakota Wesser, William Fred Wesser, William Fred A.B. 1938. Bismingham-Southern College Westfall, Ted B. P.S. 1942. University of Oklahoma Weston, Glen Farl B. 1943. University of Maryland Wetherbee, Fairland Henry Wetmore, William Furches, Jr. Wharry, Llewellyn Russell Wheeler, Arthur Adrian Wheeler, Bell Armes A B. 1942. Kung College Whith, Bohn Charles Williams, Iohn Marshall B.S. 1943. Charles Leonard John Williams, Rechard Guy Williamson, Daniel Lester, Jr. Williams, Leonard John Wi	Weiss, Sidney		A R 1016 Swarthmore College	MIG.
Western Cleen Farl Melestery Of Maryland Wetherbee, Fairland Henry Western Cleen Farl Western Cleen Farl Western Cleen Farl Western Cleen Farl Melester Control Mele	B B A 1942, College of the City of			Maine
Wender, Carl Morten A.B. 1937, A.M. 1939, University of South Dakota Wender, Lucile Bard A.B. 1942, University of South Dakota Westger, William Fred Westger, William Fred Westger, William Fred Westger, William Fred Westger, College Westger, Cilene Farl BS 1943, University of Oklahoma Westger, Cilene Farl BS 1943, University of Oklahoma Westger, Cilene Farl Wetherbee, Fairland Henry Wetmore, William Furches, Jr. Wharry, Llewellyn Russell Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Mary Starr A B 1945, Wellesley College Why aker, Edwar I Stephen A B 1945, University of Minnesota White, Loseph Hall A B 1946, LLB, 1939, Fordham University Williams, Iohn Marshall BS 1946, East Central State College Williams, Leonard John Williams, Rushard Guy A.B. 1946, Yale University Williamson, Daniel Lester, Jr. Williams, Rushard Guy A.B. 1946, Yale University Williams, Rushard Guy A.B. 1946, Yale University Williams, Rushard Guy A.B. 1946, Yale University Williams, Rushard Guy A.B. 1948, University of California at Los Angelea Williams, Rushard Guy A.B. 1948, University of California at Los Angelea Williams, Rushard Guy A.B. 1948, University of California at Los Angelea Williams, Rushard Guy A.B. 1948, University Williams, Rushard Guy A.B. 1948, Univer	Weissnan, Milton	N.Y.	A.B 1948. The George Washington	
A.B. 1937, A.M. 1939, University of South Dakota Wendt, Lucile Bard A.B. 1942, University of South Dakota Wester, William Fred Wet Luther Cucles A.B. 1948, Bermingham-Southern College Wester, A.B. 1948, Bermingham-Southern College Wester, Clin Farl A.B. 1948, Bermingham-Southern College Wester, Clin Farl A.B. 1948, Williamson, Daniel Lester, Jr. Williamson, John Georgia A.B. 1948, The Georgia Washington University Williamson, John Georgia A.B. 1948, The Georgia Washington University Williamson, John Georgia A.B. 1948, The Georgia Washington University Williamson, John Georgia A.B. 1948, The Georgia Washington University Williamson, John Georgia A.B. 1948, The Georgia Washington University Williamson, John Georgia A.B. 1948, The Georgia Washington University Williamson, John Georgia A.B. 1948, The Georgia Washington University Williamson, John Georgia A.B. 1948, The Georgia Washington University Williamson, John Georgia A.B. 1948, University of California at Los Angelea LLB 1948, University of Southern California Wilson, Babby Lloyd Wilson, Babby Lloyd Wilson, Babby Lloyd Wilson, Charles LeRoy, Jr. W.Va. A.B. 1948, University of Southern California Wilson, Babby Lloyd Wilson, Charles LeRoy, Jr. W.Va. A.B. 1948, Lavis and Elkins College Wilson, John Narshall B.S. in Ed. 1946, East Central State College Williams, Leonard John Williams, Rebard Guy Williamson, John Georgia A.B. 1948, University of California at Los Angelea University Williamson, John Georgia A.B. 1948, University of California at Los Angelea University Williamson, John Georgia A.B. 1948, University of California at Los Angelea University Williamson, John Georgia A.B. 1948, University of California at Los Angelea University Williamson, John Georgia A.B. 1948, University of California at Los Angelea University Williamson, John Georgia A.B. 1948, University of California at Los Angelea University Williamson, John Georgia A.B. 1948, University of California at Los Angelea University Williamson, John Georgia A.B. 1948, University of California at Los Ang	Rt F 1010, New York University	lows		
Wendt, Lucile Bard A.B. 1942. University of South Dakoto West, Williams Fred West, Luther Coarles A.B. 1943. Brimingham-Southern College West, J. Ted. B. P.S. 1942. University of Oklahoma Weston, Glen Farl B.S. 1943. University of Maryland Wetherbee, Fairland Henry Whence, Fairland Henry Whence, Fairland Henry Whence, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Mary Starr A.B. 1943. University of Minnesota Wheeler, Mary Starr A.B. 1942. King College Whitson, Edwar J. Stephen A.B. 1943. Hill A.B. 1944. American University White, Robert Losep, Hill A.B. 1944. American University White, Robert Elelarmine White, Robert Elelarmine White, Robert Elelarmine White, Robert Llynn Whya. Williams, Leonard John Willi	A.B. 1937, A.M. 1939, University	1044	Williams, John Marshall	Wis.
A.B. 1942. University of South Dakota Wesser, William Fred W. Lutter Cureles A.B. 1948. Bermingham-Southern College West all, Teel B. P. S. 1942. University of Oklahoma Weston, Olen Farl B. 1943. University of Maryland Wethorbee, Fairland Henry Wetmore, William Furches, Jr. Wharry, Llewellyn Russell Wheeler, Arthur Adrian Wheeler, Alfael Elsey College Whitzek, Edwa I Stephen A.B. 1943. Conn. A.B. 1944. Kinsk College Whitzek, Edwa I Stephen A.B. 1945. The Alison Wilson, George Allison Wilson, Charles Lexey, Jr. Wilson, Charles Lexey, Jr. Wilson, Charles Lexey, Jr. A.B. 1945. The Alison Wilson, George Allison Wilson, George Allison Wilson, Charles Lexey, Jr. A.B. 1945. The Jarold Wilson, Charles Lexey, Jr. A.B. 1945. The Jarold Wilson, George Allison Wilson, Charles Lexey, Jr. A.B. 1945. The Jarold Wilson, Charles Lexey, Jr. Wilson, Charles Lexey, Jr. Wilson, George Allison Wilson, George Allison Wilson, George Allison Wilson, Jr. Wilson, Phylarold Wilson, Jr. Wilson, Phylarold Wilson, Jr.	of South Dakota	e D		
Dakota Wesser, William Fred Wesser, William Fred A B. 1948, Brimingham-Southern College Westfall, Ted B. P.S. 1948, University of Oklahoma Westfall, Ted B. P.S. 1948, University of Maryland Wetherbee, Fairland Henry Wetherbee, Fairland Henry Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Mary Starr A B. 1942 King College Whitskir, Edwar J Stephen A B. 1942 King College Whitskir, Edwar J Stephen A B. 1942 King College Whitskir, Edwar J Stephen A B. 1942 King College Whitskir, Edwar J Stephen A B. 1942 King College Whitskir, Edwar J Stephen A B. 1942 King College Whitskir, Edwar J Stephen A B. 1942 King College Whitskir, Edwar J Stephen A B. 1942 King College Whitskir, Edwar J Stephen A B. 1942 King College Whitskir, Edwar J Stephen A B. 1943 University of Minnesota Whate, Robert Losep, Hill A B. 1944, American University White, Robert Bellammine Whyte, Robert Bellammine Whyte, Robert Elaurde White, Robert Llynn Whyte, Robert Claurde Wing, Robert Claurde Wing, Robert Claurde Wing, Robert Claurde Wing, Robert Claurde Walliamson, Daniel Lester, Jr. Williamson, John George A B. 1944, Yale University Williamson, John George A B. 1944, Yuliversity of California at Los Angeles LLB 1945, University of Southern California Wilson, Charles LeRoy, Jr. W.Va. A B. 1946, Llub Hilliamson, Daniel Lester, Jr. Williamson, John George Williamson, John George A B. 1945, University of California at Los Angeles LLB 1945, University of California at Los Angeles Williamson, John George Williamson, John George Williamson, John		S.1.J.	Williams Leonard John	Md.
A B. 1948. Bermingham-Southern College West all, Teel B. P.S. 1942. University of Oklahoma Weston, Glen Farl B S. 1943. University of Maryland Wetherbee, Fairland Henry Wetmore, William Furches, Jr. Wharry, Llewellyn Russell Wheeler, Arrhur Adrian Wheeler, Arrhur Adrian Wheeler, Arrhur Adrian A B. 1945. The George Washington University William Son. John George A B. 1945. The George Washington University William Son. John George A B. 1945. The George Washington University William Son. John George A B. 1945. The George Washington University William Son. John George A B. 1945. The George Washington University of California at Los Angeles LL B. 1945. University of Southern California Wilson, Robba Llovd Wilson, Robba Llovd Wilson, Charles LeRoy, Jr. A B. 1945. The George Washington University William Son. John George A B. 1945. The George Washington University William Son. John George A B. 1945. The George Washington University William Son. John George A B. 1945. The George Washington University of California at Los Angeles University of Southern California AB. 1946. University of Southern California AB. 1946. University of Southern California AB. 1946. Liby and Elkins College William Son. John William AB. 1946. University of Southern California AB. 1946. University of California at Los Angeles University of California at Los Angeles AB. 1946. Lavis of California at Los Angeles AB. 1946. Lavis of California at Los Angeles AB. 1946. Lavis of California at Los Angeles AB. 1948. Davis of California at Los Angeles AB. 1948. Davis of California at Los Angeles AB. 1946. Lavis of California	Dakota	200	Williams, Richard Guy	Va.
A.B. 1948, Birmingham-Southern College West all, Ted B. P.S. 1948. University of Oklahoma West on, Glen Farl B.S. 1943, University of Maryland Wetherbee, Fairland Henry Wherence, William Furches, Jr. Wharry, Llewellyn Russell Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Arthur Adrian Wheeler, Mary Starr A.B. 1948, The George Washington University Willis, John William A.B. 1934, University of California at Los Angeles LLB 1934, University of Southern California Wilson, Babby Lloyd Wilson, Charles LeRoy, Jr. W.Va. A.B. 1942, Kink College Whiston, Edwar J. Stephen A.B. 1948, The George Washington University Willis, John William A.B. 1934, University of Southern California Wilson, Charles LeRoy, Jr. W.Va. A.B. 1945, Linker Logal, Illinois State Normal University White, Robert Losep, Hill A.B. 1948, The George Washington University William Son, John George A.B. 1948, The George Washington University William Son, John George A.B. 1948, The George Washington University William Son, John George William Son, John George A.B. 1948, The George Washington University William Son, John George William Son, John George William Son, John George A.B. 1948, The George Washington University William Son, John William A.B. 1944, University of Southern California Wilson, Charles LeRoy, Jr. W.Va. A.B. 1945, LLB, 1939, Fordham University William Son, John William A.B. 1944, University of Southern California Wilson, Charles LeRoy, Jr. W.Va. A.B. 1945, LLB, 1939, Fordham University Wilson, Charles LeRoy, Jr. W.Va. A.B. 1945, Llb, 1945, Main A.B. 1945,			Williamson Daniel Lester Is.	Va.
West and Clen Farl B S 1942, University of Oklahoma Weston Clen Farl B S 1943, University of Maryland Wetherbee, Fairland Henry Wetmore, William Furches, Jr. Wharry, Llewellyn Russell Wheeler, Arthur Adrian Wheeler, Arthur Adrian Mass. Wheeler, Arthur Adrian Mass. Wheeler, Arthur Adrian A B 1916, Wellesley College Whitakar, Edwar I Stephen A B 1912, Kuns College Whitakar, Edwar I Stephen A B 1914, Kuns College Whitakar, I Stephen A B 1914, Kuns College Whitakar, I Stephen A B 1914, Kuns College Whitakar, I Stephen A B 1914, American Whate, Irva A bert White, Losep, Hill A B 1914, American University White, Robert Bellaumine Whate, Robert Llynn Whate, Robert Llynn Whate, Robert Llynn Whate, Robert Bellaumine Whate, Robert Llynn Whate, Robert	A B. 1948, Birmingham-Southern		Williamson, John George	Tenn.
Western Clien Fard BS 1943, University of Maryland Wetherbee, Fairland Henry Wetmore, William Furches, Jr. Wharry, Llewellyn Russell Wheeler, Arthur Adrian Welson, California Md. Va. Wharry, Llewellyn Russell Wheeler, Arthur Adrian Wheeler, Mary Starr AB 1916. Wellesley College What As. Edwa 1 Stephen AB 1912 Kuns College What As. Edwa 1 Stephen AB 1914 Kuns College What As. Affeed Lawson Whate, Alfeed Lawson Whate, Irver, A bert White, Iosep, Hill AB 1948, American University White, Robert Loren Whate, Robert Bellammine Whate, Robert Lynn Whate, Robert Claude Wing, Robert Claude	Wast II Tad R	Ter		
Weston, Glen Farl B S 1943, University of Maryland Wetherbee, Fairland Henry Wetmore, William Furches, Jr. Wharry, Llewellyn Russell Wheeler, Arthur Adrian Wharry Starr A B 1916, Wellesley College Whyskar, Edwa I Stephen A B 1948, University of Southern California Wilson, Behav Lloyd Wilson, Charles LeRoy, Jr. Wilson, Charles LeRoy, Jr. Wilson, Charles LeRoy, Jr. A B 1948, Davis and Elkins College Wilson, George Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, George Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, George Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, George Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, George Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, George Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, George Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson, Ceorge Allison Wilson, John Samuel A B 1948, Davis and Elkins College Wilson	1' S 194c, University of Oklahoma			Va.
Wharry, Llewellyn Russell Wheeler, Arthur Adrian Wheeler, Mary Starr A B 1916. Wellesley College Whate, Libar 1 Stephen A B 1912. Kins College Whate, Libar 1 Stephen A B 1914. Kins College Whate, Alfred Lawson Whate, Alfred Lawson White, Robert Losep, Hall A B 1914. American University White, Robert Bellammine Whate, Robert Bellammine	Westur Glen Farl	Md.	A.B. 1934, University of California	
Wharry, Llewellyn Russell Wheeler, Arthur Adrian Wheeler, Mary Starr A B 1916. Wellesley College Whate, Libar 1 Stephen A B 1912. Kins College Whate, Libar 1 Stephen A B 1914. Kins College Whate, Alfred Lawson Whate, Alfred Lawson White, Robert Losep, Hall A B 1914. American University White, Robert Bellammine Whate, Robert Bellammine	Wetherbee, Fairland Henry	Md.	LLB total University of Southern	
Wheeler, Arthur Adrian Wheeler, Mary Starr A B 1916. Wellesley College Why Akar, Edward Stephen A B 1915. The College Why Akar, Edward Stephen A B 1915. The College Why Akar, Edward Stephen A B 1915. LLB, 1939, Fordham Wheeler, Arthur Adrian Why A B 1915. LLB, 1939, Fordham University White, Issephen A B 1915. LLB, 1939, Fordham University Wheeler, Arthur Adrian Why A B 1915. LLB, 1939, Fordham University Wheeler, Arthur Adrian Why A B 1915. LLB, 1939, Fordham University Wheeler, Arthur Adrian Why A B 1915. LLB, 1939, Fordham University Whom, Phys Harold B S in Ed., 1948, Illinois State Normal University Whom, Robert Claude Wing, Robert Claude Wing, Robert Claude B S in East, 1915, United States Naval Academy	Wetmore, William Furches, Jr.		California	
Wheeler, Mary Starr A B 1916, Wellesley College Whysker, Edwa I Stephen A B 1912, Kung College Whysher, Limes A B 1916, Limes A B 1916, Limes A Whate, Mired Lawson White, Mired Lawson White, Israel A bert White, Israel A bert White, Israel College Wilson, George Allison Wilson, John Samuel A B 1916, LL.B, 1939, Fordham University White, Mired Lawson Welson, Pohn Samuel A B 1916, LL.B, 1939, Fordham University White, Robert Lawson Welson, Pohn Samuel A B 1916, LL.B, 1939, Fordham University White, Robert Lawson Wilson, Ceorge Allison N.Y. A B 1916, LL.B, 1939, Fordham University White, Robert Claude Wilson, Ceorge Allison N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Wilson, George Allison N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Wilson, John Samuel N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Wilson, John Samuel N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Wilson, John Samuel N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Wilson, John Samuel N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Wilson, Ceorge Allison N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Wilson, Ceorge Allison N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Wilson, Ceorge Allison N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Normal University Wilson, Ceorge Allison N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Normal University Wilson, Ceorge Allison N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Normal University Wilson, Ceorge Allison N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Normal University Wilson, Ceorge Allison N.Y. A B 1916, LL.B, 1939, Fordham University White, A bert Normal University White, A bert Normal University				
Whit aker, Edward Stephen Va. A B 1942 King College Whitbook, James A Va. B B A 1948, University of Minnesota White, Affect Lawson D.C. White, Irve A beet Nebr. White, Ioseph Hull Va. A B 1949, American University White, Robert Bellarmine D.C. White, Robert Bellarmine W.Va. White, Robert Lynn W.Va. Naval Academy	Wheeler, Mary Starr		A.B. 1948, Davis and Elkina College	
A B 1946, Lames A B B A 1948, Lames A B B A 1948, University of Minnesota White, Alfred Lawson White, I losep, Hall A B 1940, LLLB, 1939, Fordham University Whene, I row A bert White, Robert Bellarmine White, Robert Bellarmine White, Robert Bellarmine White, Robert Bellarmine Why A B 1940, LLLB, 1939, Fordham University White, Robert Losep, Hall Wing, Robert Claude Wing, Robert Claude B S in East, 1935, United States Naval Academy	A B 1016, Wellesley College	4.7	Wilson, George Allison	Iowa
Whate, Lines A B B A 1918, University of Minnesota Whate, Alfred Lawson Whate, Irve A bert White, Ioseph Hill A B 1948, American University Whate, Robert Bellaumine Whate, Robert Bellaumine Whate, Robert Bellaumine Whate, Robert Lynn Whya Whya Naval Academy Va. Whate, Robert Lynn Whya Naval Academy		Va.		N.Y.
Whate, Affeed Lawson D.C. Whate, Ive A bert Nebr. White, Ioseph, Hall Va. A B 1943, American University Whate, Robert Bellarmine D.C. Whate, Robert Bellarmine W.Va. Whate, Robert Bellarmine W.Va. Naval Academy	Whitbeck, James A	Va.	University	
White, Irve A bert White, Josept Hall A B 1643, American University White, Robert Bellaumine White, Robert Lynn Whate, Robert Lynn W.Va. Naval Academy			W.Ison, Pt Lp Harold	III.
White, Joseph Hall Va. Walson, Vernon Claude D.C. AB 1443, American University White, Robert Bellaumine D.C. BS in Ling. 1915, United States Warte, Robert Lynn W.Va. Naval Academy			Normal University	
White, Robert Lynn W.Va. Naval Academy	White, Josep', Hill	Va.	Wilson, Vernon Claude	
White, Robert Lynn W.Va. Naval Academy	White Robert Belliumine	DC		Maine
	White, Robert Lynn		Naval Academy	
	B.S. 1947, Marietta College		M B A, 1939, Harvard University	

Withers, John Lewis	N.C.	Woolls, William Pape, Jr.	Va.
B.S. 1040, Davidson College		Worley, Richard Bryce	Olla.
A.M. 1941, University of North		Wortman, David Morris	DC.
Carolina		A.B 1948, The George Washington	
Witherspoon, Fred Lee, Jr,	Md.	University	
B.S. in M.E. 1941, University of	avaw.	Wright, Berkeley	DC.
Maryland		Wyche, Benjamin Walker	Va.
Worford, William Tatum	Tex.	B S 1943, Virginia Polytechnic	
B S. in F. h. 1942, Texas College of	T CA.	Institute	
Arts and Industries		Wyche, Richard Thomas	Okla.
Wolf, Don Edwards	V.Va.	A.B. 1938. University of Oklahoma	ORIA.
A.B. 1043, Bethany College	v . v a .	Wymbs, Roy Paul	Va.
Wolf, Lucy Jane	D.C.	B.S. 1942. University of Richmond	V 44.
	D.C.	Wymore, Max Lee	Kans.
A.B. 1947, University of Texas	D.C.	B.S. 1947. University of Kansas	ALGINE.
Wolfenson, Jay Warren A.B. 1948, The George Washington	D.C.	Wyper, James, Jr.	Md.
		A.B. 1940, Princeton University	TARCI.
University	Va.	A.D. 1940, Finiteton Oniversity	
Wolffe, Lenard	VII.		
A.B. 1948, The George Washington		Y	
University	Md.	Yabroff, Bernard	Va.
Wolk, Morris O.	MIG.		VA.
B.S. in Ch.E. 1936, Cooper Union	Calif.	B.S. 1939, College of the City of New York	
	Calli,	Yarnoff, Leroy Mills	200
B.S. 1938, University of Maryland	N.Y.	Yavener, Burton	D.C.
	IA'I.		N.J.
B.S. 1942, College of the City of		Yeager, Philip Brand	Va.
New York	DC	A.B. 1939, University of Arizona	Va.
Wolz, Charles Thompson	D.C.	Yeates, Morgan Gales	VI.
B.S. in M.E. 1947, Virginia		B.S. in Chem, 1941, Virginia	
Polytechnic Institute	N.H.	Polytechnic Institute	01.
		Young, Jack Martin	Ohio
Wood, Charles William	Pa. S.C.	B.S. 1943. Case Institute of	
Wood, Harry Eugene		Technology	W. 37.
Woodard, Douglas Dutro	Ш.	Young, Maynard Fling	W.Va.
A.B. 1948, Brigham Young University	Tionh	Young, Olive Emily	N.Y.
Woodbury, Wallace Richards	Utah	A.B. 1929, A.M. 1930, University	
A.B. 1947, University of Utah Woodhouse, Margaret Wark	~	of Rochester	Ohio
	Conn.	Yount, Joseph Herman, Jr.	Ohio
A.B. 1946. University of North		A.B. 1948, Oberlin College	
Carolina	N.Y.		
	74'E'	Z	
B.S. in E.E. 1942, Tufts College	10 -	7 1: 11: 1 -1 *	-
Woodling, Francis Albert	Pa.	Zabiegalski, Anthony, Jr.	Pa.
A.B. 1946. The George Washington		Zachary, Richard Eugene	D.C.
University	261	Zaid, Charles	Pa.
Woodmansee, Charles H.	Md.	A.B. 1933, Temple University	-
	Calif.	Zaskalicky, Julius John	Conn.
Woods, Russell Marshall	Va.	B.E.E. 1942, Yale University	
LL.B. 1948, The George Washington		Ziehl, Wilbur Henry	Md.
University		Zitomer, Joseph	D.C.

SUMMARIES OF REGISTRATION

SUMMER TERM 1948

FALL AND WINTER TERMS 1948-49

GEOGRAPHICAL DISTRIBUTION OF STUDENTS United States, Territories, and Possessions

Alabama 15 Nevada 13

California 45 New Mexico 9 Colorado 5 New York 228 Connecticut 28 North Carolina 35 Delaware 1 North Dakota 6 District of Columbia 605 Ohio 74	Arizona	3	New Hampshire	4
Source S	Arkansas	8	New Jersey	90
Source S	California	45	New Mexico	
Connecticut	Colorado		New York	228
Delaware	Connecticut		North Carolina	35
Social 35	Delaware	1	North Dakota	6
Social 35	District of Columbia	605	Ohio	74
Georgia				
Adaho		W- W-	Oregon	7
Ilinois	Idaho	100		
15 South Carolina 12	Illinois			
South Dakota	Indiana	,		
Kansas 21 Tennessee 24 Kentucky 20 Texas 42 Louisiana 4 Utah 10 Maine 11 Vermont 3 Maryland 292 Virginia 337 Massachusetts 67 Washington 7 Michigan 26 West Virginia 42 Minnesota 11 Wisconsin 10 Mississippi 15 Wyoming 5 Missouri 23 Alaska 1 Montana 8 Hawaii 4 Nebraska 11 Puerto Rico 1 Cuba 2 Netherlands 1 Cuba 2 Netherlands 1 Guatemala 1 Puerto Rico 1 Grade 2 Netherlands 1 Grade 2 Netherlands 1 Grade 2 Netherlands 1 Grade 2	lowa			
Texas	Kansas	-		
Vermont 10 Vermont 3 37 Vermont 3 Vermont 3 Vermont 3 Vermont 3 Vermont 3 Vermont 3 Vermont 4 Vermont 4 Vermont 4 Vermont 4 Vermont 4 Vermont 4 Vermont 5 V	Kentucky			
Maine 11 Vermont 3 Maryland 292 Virginia 337 Massachusetts 67 Washington 7 Michigan 26 West Virginia 42 Minnesota 11 Wisconsin 10 Mississisppi 15 Wyoming 5 Missouri 23 Alaska 1 Montana 8 Hawaii 4 Nebraska 11 Puerto Rico 1 Foreign Countries China 2 Netherlands 1 Guatemala 1 Sweden 1 GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Almerican University 3 Berea College 2 Almerican University 4 B	Louisiana			
Maryland 292 Virginia 337 Massachusetts 67 Washington 7 Michigan 26 West Virginia 42 Minnesota 11 Wisconsin 10 Mississisppi 15 Wyoming 5 Missouri 23 Alaska 1 Montana 8 Hawaii 4 Nebraska 11 Puerto Rico 1 Cuba 2 Netherlands 1 Cuba 2 Netherlands 1 Guatemala 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama College 1 Asbury College 1 Alabama Polytechnic Institute 1 Baylor University 2 Alabama College 3 Berea College 2 Almerican University 8 Birmingham-Southern College 3 American University of 1 Bowdoin College 1 Amster	Maine			
Massachusetts 67 Washington 7 Michigan 26 West Virginia 42 Minnesota 11 Wisconsin 10 Mississippi 15 Wyoming 5 Missouri 23 Alaska 1 Montana 8 Hawaii 4 Nebraska 11 Puerto Rico 1 Foreign Countries China 2 Netherlands 1 Cuba 2 Sweden 1 Guatemala 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Allegheny College 3 Berea College 2 Alma College 3 Berea College 3 American University 3 Birmingham-Southern College 3 American University of 1 Bowdoin College 1 Amsterdam, University of 1 Bowdoin Co	Magyland			
Michigan 26 West Virginia 42 Minnesota 11 Wisconsin 10 Mississippi 15 Wyoming 5 Missouri 23 Alaska 1 Montana 8 Hawaii 4 Nebraska 11 Puerto Rico 1 Foreign Countries China 2 Netherlands 1 Cuba 2 Sweden 1 Guatemala 1 1 GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Allegheny College 3 Berea College 2 Alma College 3 Berea College 3 American University 3 Boston University 6 American University of 1 Bowdoin College 1 <td< td=""><td>Massachuses</td><td></td><td></td><td></td></td<>	Massachuses			
Minnesota 11 Wisconsin 10 Mississippi 15 Wyoming 55 Missouri 23 Alaska 11 Montana 8 Hawaii 4 Nebraska 11 Puerto Rico 1 Foreign Countries China 2 Netherlands 1 Cuba 2 Sweden 1 Guatemala 1 GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allea College 3 Berea College 2 Alma College 4 Berhany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 1 Bowdoin College 1	Michigan			
Mississippi 15 Wyoming 55 Missouri 23 Alaska 1 Montana 8 Hawaii 4 Nebraska 11 Puerto Rico 1 Foreign Countries China 2 Netherlands 1 Cuba 2 Sweden 1 Guatemala 1 GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Almerican University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 1 Bowdoin College 1	Minneson		17	
Missouri 23 Alaska 1 Montana 8 Hawaii 4 Nebraska 11 Puerto Rico 1 Foreign Countries China 2 Netherlands 1 Cuba 2 Sweden 1 Guatemala 1 GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Almerican University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Mississippi			
Nobraska 11 Puerto Rico 1 Foreign Countries China 2 Netherlands 1 Cuba 2 Sweden 1 Guatemala 1 GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Alma College 4 Bethany College 2 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Mississippi	-		
Foreign Countries China 2 Netherlands 1 Cuba 2 Sweden 1 Guatemala 1 GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akkron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Alma College 4 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Massouri			-
Foreign Countries China 2 Netherlands 1 Cuba 2 Sweden 1 Guatemala 1 GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Alma College 4 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Montana	8		4
Cuba 2 Netherlands 1 Cuba 2 Sweden 1 Guatemala 1 GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Alma College 2 Bethany College 1 American University 8 Birmingham-Southern College 3 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Nebraska	11	Puerto Rico	I
GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Alma College 2 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	For	eign	Countries	
GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Alma College 2 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	China	2	Netherlands	1
GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Alma College 2 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1		_		
GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens. University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Alma College 2 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Guatemala	_	Owener	۰
Abilene Christian College 1 Asbury College 1 Akron, University of 2 Athens, University of 1 Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 2 Berhany College 2 Bethany College 3 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1		_		
Akron, University of 2 Athens, University of 1 Alabama, University of 2 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 2 Berea College 2 Alma College 2 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1		REG	GISTERED IN THE LAW SCHOO	L
Akron, University of 2 Athens, University of 1 Alabama, University of 2 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 2 Berea College 2 Alma College 2 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Abilene Christian College	1	Asbury College	1
Alabama, University of 12 Bates College 1 Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 2 Berea College 2 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Akron, University of	2		1
Alabama Polytechnic Institute 1 Baylor University 2 Allegheny College 3 Berea College 2 Alma College 2 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Alabama, University of	12		1
Allegheny College 9 Berea College 2 Alma College 2 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Alabama Polytechnic Institute	1		2
Alma College 2 Bethany College 1 American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Allegheny College	1		2
American University 8 Birmingham-Southern College 3 Amherst College 5 Boston University 6 Amsterdam, University of 1 Bowdoin College 1 Arizona, University of 3 Bowling Green State University 1	Alma College		Bethany College	
Amherst College	American University		Birmingham-Southern College	
Amsterdam, University of 1 Bowdoin College	Amherst College			
Arizona, University of 3 Bowling Green State University 1	Amsterdam, University of	-	Bowdoin College	
	Arizona, University of		Rowling Green State University	
a Diadicy Polytechnic Institute 2	Arkansas, University of		Readley Polytechnic Institute	1
	Continue of the continue of th	4	Dradiey Polytechnic Institute	2

			0 40
Brenau College	1	East Texas State Teachers College	2
Brigham Young University	2	Emory and Henry College	3
Brooklyn, Polytechnic Institute of	2	Emory University	2
Brooklyn College	14	Florida, University of	6
Brown University	II	Florida State College for Women.	1
Buckard, University of	1	Fordham University	3
Bucknell University	6	Franklin and Marshall College	1
Buffalo, University of	I	Furman University	9
Butler University	1		204
Bucharest, University of	1	Georgetown University	22
California, University of	3	Georgia, University of	4
California at Los Angeles, Univer-	3	Georgia School of Technology	6
sity of	11	Gettysburg College	2
California Institute of Technology	4	Goucher College	ī
Carleton College	I	Grove City College	1
Carnegie Institute of Technology.	3	Hampden-Sydney College	
Case Institute of Technology	4		1
Catholic University of America		Harvard University Haverford College	20
Central State College	3	Hawaii University of	1
Central State Teachers College	I	Hawaii, University of	1
Centre College	1	High Point College	2
Chicago, University of		Hollins College Holy Cross, College of the	I
Chattanooga, University of	3	Huntes College of the	I
Cincinnati, University of	_	Hunter College	3
Citadel, The	3	Idaho, University of	1
	3	Illinois, University of	10
Clark College	I	Illinois Institute of Technology	5
Clark University	4	Illinois State Normal University.	1
Clemson College	I	Illinois Wesleyan University	1
Colby College	I	Immaculate Heart College	1
Coloredo University	2	Indiana State Teachers College	1
Colorado, University of	2	Indiana University	7
Colorado College Colorado State College of Educa-	I	Iowa, State University of	8
tion		Iowa State College of Agriculture	
Columbia University	I	and Mechanic Arts	4
Columbia University	9	John B. Stetson University	1
Connecticut, University of	I	John Brown University	I
Converse College	I	Johns Hopkins University	5
Cooper Union	3	Kalamazoo College	1
Cornell University	15		11
Dartmouth College	4	Kansas State College	1
Davidson College	I	Kent State University	1
Davis and Elkins College	I	Kentucky. University of	6
Delaware, University of	I	King College	1
Denver, University of	I	Lafayette College	5
DePaul University	I	Lehigh University	3
De Pauw University	2	Leiden University	1
Detroit, University of	2	Lenoir-Rhyne College	1
Dickinson College	I	Lincoln Memorial University	1
Drake University	I	Louisiana State University	4
Drexel Institute of Technology	4	Louisville, University of	2
Duke University	14	Loyola University	3
Dusquesne University	I	Lynchburg College	7
East Central State College	ī	Marietta College	7
East Tennessee State Teachers		Marshall College	4
College	I		6
		4	C

Maryville College	1	Northern Illinois State Teachers	
Massachusetts Institute of Tech-	•	College	I
Massachusetts Institute of Teen-	2.7	Northwestern University	I
nology	13	Notre Dame, University of	5
Massachusetts State College	2		2
Mercer University	1	Notre Dame of Maryland, College	*
Mexico, National University of	I	of	1
Mian.i University	6	Oberlin College	4
Michigan, University of	16	Ohio State University	8
Michigan State College of Agricul-		Oklahoma, University of	7
ture and Applied Science	2	Oklahoma Agricultural and Me-	
Mary College	I	chanical College	15
Middlebury College	I	Oklahoma City University	I
Mi.an, University of		Oregon, University of	2
Milsaps College	I		T
Milton College	I	Oregon State College	2
Minnesota, University of	9	Paris, University of	3
Mississippi, University of	I	Peabody Institute of the City of	_
Missouri, University of	I	Baltimore	I
Montana State College	I	Pennsylvania, University of	20
Montana State University	3	Pennsylvania State College	16
Morris Harvey College	2	Phillips University	1
Mount St. Mary College	3	Pitt University	1
	1	Pittsburgh, University of	7
Mount Union College	2	Pomona College	1
Muhlenberg College		Prague, University of	1
National University	1	Presbyterian College	2
Nebraska, University of	4	Dinaster University	12
Nevada, University of	2	Princeton University	
Newark, University of	I	Providence College	3
Newark College of Engineering	2	Puerto Rico, University of	1
Newberry College	I	Puget Sound, College of	1
New Hampshire, University of	5	Purdue University	18
New Jersey State Teachers Col-		Queens College	2
lege, Montclair	I	Radcliffe College	3
New Jersey State Teachers Col-		Rensselaer Polytechnic Institute	10
	I	Rhode Island College of Education	I
lege, Paterson		Rhode Island State College	2
New Mexico, University of	3		3
New Mexico College of Agriculture		Rice Institute	6
and Mechanic Arts	2	Richmond, University of	
New York, College of the City of	48	Ripon College	I
New York State Teachers College,		Roanoke College	I
Buffalo	2	Rochester, University of	4
New York University	20	Rutgers University	7
Niagara University	I	St. Ambrose College	1
North Carolina, University of	17	St. John's University, Shanghai	I
North Carolina State College of	-,	St. Joseph's College	1
Agriculture and Engineering	I	St. Louis University	1
North Carolina State Teachers	Δ.	St. Peter's College	- 1
		Scranton, University of	3
College	I		3
North Dakota, University of	3	Shepherd College	1
North Dakota State School of		Simpson College	I
Science	I	Skidmore College	å.
North Dakota State Teachers Col-		Smith College	1
lege, Valley City	I	South Carolina, University of	6
North Texas State Teachers Col-		South Dakota, University of	2
lege	I	Southeast Missouri State Teachers	
Northeastern University	9	College	1
	,		

Southeastern Louisiana College	1	Virginia Military Inst	itute	. 2
Southern California, University of	1	Virginia Polytechnic Is	estitute	. 15
Southern Illinois Normal Univer-	•	Wake Forest College	20020000	. 3
	I	Washburn Municipal	Iniversity	of o
Southern Methodist University	I			
Construction Methodist Oniversity		Topeka	7	. I
Southwestern University	I	Washington, State Co		
Stanford University	5	Washington, Universit		
Stephen F. Austin State Teachers		Washington and Jeffe		
College	1	Washington and Lee		
Stevens Institute of Technology	3	Washington University	,	. 4
Stockholm, Technical University		Wayne University		. 3
of	1	Wellesley College		
Susquehanna University	1	West Liberty State C		
Swarthmore College	2	West Tennessee Sta	e Teache	re
Syracuse University	10	College	e reactie	. 1
Temple University	10	West Virginia Institu	to of Tasl	. 1
Tennessee, University of	6			
Tennessee, University of	0	nology		. I
Texas, Agricultural and Mechani-		West Virginia Univers		
cal College of	I	Western Maryland Co		
Texas, University of	7	Western Michigan Col		
Texas Christian University	3	cation		. 1
Texas College of Arts and Indus-		Western Reserve Univ	ersity	. 5
tries	I	Wheaton College, Ill.		. 1
Texas Technical College	ī	Whitman College		. 1
Thiel College	1	Whitworth College		. 1
Trinity College	4	William and Mary, Co	illega of	. 6
Tufts College	8	Williams College	mege or	. 0
Tulana L'nis arrière	-	Williams College	-£	. I
Tulane University	2	Wisconsin, University	01	. 10
Union College	4	Wisconsin State Teach	ners Colleg	c,
United States Coast Guard Acad-		LaCrosse		. 1
emy	4	Wisconsin State Teach	iers Colleg	e.
United States Merchant Marine		White Water		. I
Academy	1	Wittenberg College .		. 2
United States Military Academy	6	Wofford College		. 1
United States Naval Academy	24	Wooster, College of .		. 1
University Erlangen	I	Worcester Polytechnic	Institute	. 5
Utah, University of	5	Wurtzburg, University	of	. I
Utah State Agricultural College.	I	Wyoming, University	~ · · · · · · ·	. 1
Vanderbilt University	2	Yale University	01	. 2
Vaccas College		Vankton Callers		. 82
Vassar College	1	Yankton College		
Villamava College	3	Number of college	graduates	1,280
Virginia, University of	15	Number of colleges r	epresented	291
CIMMADY	OF I	DECICED ACTION		
SUMMARY	Or 1	REGISTRATION		
	1948	3-40		
	740	Men	Women	Total
First year		1 004	82	1.086
Second year		809	46	855
Third year		125	20	
Candidates for the degree of Maste	or of I			445
Candidates for the degree of Maste	or of (aws 150	5	155
Candidates for the degree of Maste	1 01		2	18
Candidates for the degree of Docto			I	17
Unclassified			1	65
Total		2,484	157	2,641

INDEX

Academic status of the University, 5-6 Administration, officers of, 4 Admission, 18-19 Advanced standing, 18-19 Attendance, 22

Bachelor of Laws, degree of, 18-19, 26-27

Calendar of the School, 1949-50, vi Classification of students, 24 Course numbers, explanation of, 33 Courses of instruction, 31-39

Dean's Council, 15
Degrees, 26-29:
Conferred, 1948-49, 40-45
In the graduate course, 28-29
In the professional course, 26-28
Doctor of Juridical Science, degree of, 19, 28-29

Emeritus professors, 9 Employment, student, 25 Examinations, 23 Exclusion and probation for poor scholarship, 23-24

Faculty, 9-15 Fees and financial regulations, 20-21

Geographical distribution of students, 74 Grades. 23 Graduates of colleges registered in the School, 74-77

Health Administration, 25–26 History of the University, 5 Honors, 28 Hours of Instruction, 33

Juris Doctor, degree of, 18-19, 27-28

Law Review, 16 Library, 15-16 Living accommodations, 24-25 Loan funds, 22

Master of Comparative Law, degree of, 19, 28
Master of Laws, degree of, 19, 28

Order of the Coif, 17

Placement Office, 25, 26 Prizes, 22

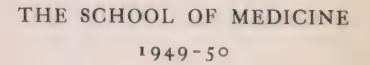
Refund of tuition, 21
Recistration, 19–20
Registrations in the School, number of,
77
Regulations, 22–24
Residence halls, 24–25
Residence requirements, 22–23, 26, 27,
28, 29
Right to drop students, 24

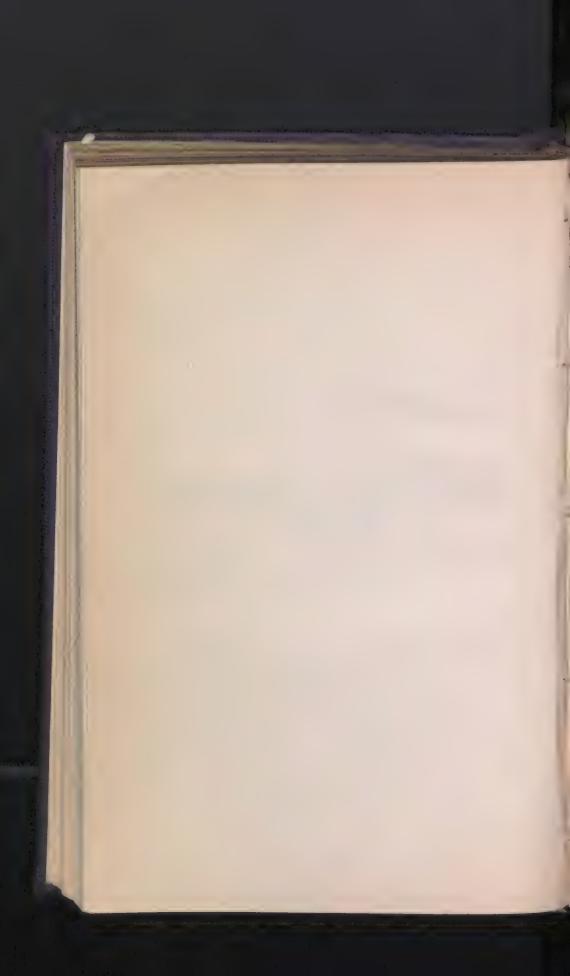
Scholarship, 18, 19, 26, 27, 28, 29 Scholarships, 21–22 Student:
Bar Association, 17
Fee, 20
Employment, 25
Life, 24–26
Students registered, 1948–49, 46–73
Summaries of registration, 74–77

Trustees, Board of, 3

Unclassified students, 19 University: Academic status, 5 Colleges, Schools, and Divisions, 5 History, 5 Location, 6

Withdrawals and refunds, 21





GEORGE WASHINGTON UNIVERSITY

BULLETIN

Vol. XLVIII

No. 1

THE SCHOOL OF MEDICINE

WASHINGTON, D. C.

PUBLISHED IN FEBRUARY

MCMXLIX

BY THE UNIVERSITY

CALENDAR OF THE SCHOOL OF MEDICINE

1949-50

Date	Day	Оссамов
Sept. 13	Tuesday Thursday and Friday Monday Friday. Thursday through Saturday Thursday through Monday	Reexaminations Registration period for the academic year 1949–50 Academic vear begins Armistice Day. Holiday Thanksgiving recess Christmas recess
1950: Jan. 20–28 Jan. 30 Feb. 22 April 7 and 8 May 1	Friday through Saturday. Monday Wednesday Friday and Saturday Monday	Fall term examination period Classes resume for the winter term Winter Convocation. Holiday Easter recess Last day for applications for degrees to be conferred in May
May 18-26 May 28 May 31	Thursday through Friday. Sunday Wednesday.	Winter term examination period Baccalaureate Sermon Commencement

THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President and Vice-President of the University ex officio and the following persons by election:

Robert Vedder Fleming, LL.D., Chairman Henry Parsons Erwin, A.B., Secretary Newell Windom Ellison, A.B., LL.B., Assistant Secretary

Avery DeLano Andrews, B.S., LL.B. Clarence Aiken Aspinwall Lyman James Briggs, Ph.D., Sc.D., D.Eng., LL.D. John St. Clair Brookes, Jr., A.M., LL.B. John Henry Cowles, LL.D. Homer Cummings, Ph.B., LL.B., LL.D., L.H.D. Mrs. Joshua Evans, Jr., A.B., Ed.D. *Robert Elliott Freer, A.B., LL.M. Charles Carroll Glover, Jr., A.M., LL.B. Gilbert Grosvenor, A.M., LL.D., Litt.D. *Brooks Hays, A.B., LL.B., LL.D. John Edgar Hoover, LL.M., LL.D. *Frank Atherton Howard, B.S. in M.E., LL.B. Alfred Henry Lawson, LL.B. Benjamin Mosby McKelway *Claude Worthington Owen, LL.M. Mrs. Henry Alvah Strong, LL.D. Merle Thorpe, A.B. Walter Rupert Tuckerman, A.B., LL.B. Alexander Wetmore, Ph.D., Sc.D. *Charles Stanley White, M.D., Sc.D. Lloyd Bennett Wilson

[&]quot; Nominated by the alumni.

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

Cloyd Heck Marvin, Ph.D., LL.D., President of the University
Ulysses S. Grant, 3d, B.S., Graduate United States Engineers' School,
Vice-President

Harold Griffith Sutton, M.S., Director of Admissions

Burnice Herman Jarman, A.M., Ed.D., Registrar; Secretary of the Faculties

John Russell Mason, B.S. in L.S., A.M., Librarian; Curator of Art Myrna Pauline Sedgwick, A.B., Administrative Secretary

Fred Everett Nessell, A.B., Business Manager

Henry William Herzog, B.S., Comptroller

Claud Max Farrington, A.M., Director of Activities for Men Virginia Randolph Kirkbride, A.M., Director of Activities for Women

Alan Thomas Deibert, A.M., Adviser to Students from Foreign Countries Mitchell Dreese, Ph.D., Dean of the Summer Sessions; Director of Veterans' Education

Daniel LeRay Borden, A.M., M.D., Director of Health Administration Ruth Harriet Atwell, A.M., Director of Physical Education for Women Lester Allan Smith, A.M., Director of Alumni Relations
John Rust Busick, A.B., Director of Public Relations

THE SCHOOL OF MEDICINE AND THE UNIVERSITY HOSPITAL AND OUTPATIENT DEPARTMENT

Walter Andrew Bloedorn, A.M., M.D., Sc.D., Dean of the School of Medicine; Medical Director of the University Hospital

Thomas Martin Peery, A.B., M.D., Director of Postgraduate Instruction; Director of Laboratories, the University Hospital

Leo Gregor Schmelzer, Superintendent of the University Hospital
Clarence Richard Hartman, A.B., M.D., Director of the Outpatient
Department

FACULTY AND STAFF OF INSTRUCTION IN MEDICINE

EMERITUS FACULTY

GEORGE BAIN JENKINS, M.D. Professor Emeritus of Anatomy

HURON WILLIS LAWSON, M.S., M.D.
Professor Emeritus of Obstetrics and Gynecology

WILLIAM JOHNSTON MALLORY, A.M., M.D. Professor Emeritus of Medicine

WILLIAM BEVERLEY MASON, M.D.
Professor Emeritus of Oto-thino-laryngology

JAMES FARNANDIS MITCHELL, A.B., M.D. Professor Emeritus of Clinical Surgery

GEORGE BYRON ROTH, A.B., M.D. Professor Emeritus of Pharmacology

STERLING RUFFIN, M.D., Sc.D. Professor Emeritus of Medicine

ACTIVE FACULTY AND STAFF OF INSTRUCTION

THEODORE JUDSON ABERNETHY, B.S., M.D.
Assistant Chinical Professor of Medicine. Associate in Medicine, University
and Gallinger hospitals

ERRETT CYRIL ALBRITTON, A.B., M.D.
Professor of Physiology. Consultant in Physiology, University Hospital

LOUIS KATZ ALPERT, B.S., M.D.

Adjunct Clinical Professor of Medicine. Associate in Medicine, University and Gallinger hospitals

SEYMOUR ALPERT, A.B., M.D.
Instructor in Anesthesiology. Associate in Anesthesiology, University and
Gallinger hospitals

JAMES FRANCIS AMBURY, B.S., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

HARRY FORD ANDERSON, M.D.

Professor of Dermatology and Syphilology. Consultant and Chief of Service in Dermatology and Syphilology, University and Gallinger hospitals

WILLIAM STATON ANDERSON, A.B., M.D.
Clinical Professor of Pediatrics. Associate in Pediatrics, University Hospital

WARREN ANDREW, Ph.D., M.D.
Professor of Anatomy. Consultant in Anatomy, University Hospital

CHARLES ARMSTRONG, B.S., M.D., Sc.D. Professorial Lecturer in Preventive Medicine

JAMES EARLE ASH, Jn., M.D.
Professorial Lecturer in Pathology

FRANK SOLOMON BACON, B.S., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

WILLIAM OTIS BAILEY, JR., M.D. Clinical Instructor in Medicine

*ARNOLD KENT BALLS, Ph.D.
Adjunct Professor of Enzymology

ROBERT BARTER, M.D.

Adjunct Clinical Professor of Obstetrics and Gynecology. Chief Medical Officer in Obstetrics and Gynecology, Gallinger Hospital

JEANNE BATEMAN, A.B., M.D. Clinical Instructor in Medicine

HARRY CLARK BATES, B.S., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

EMIL HERBERT BAUERSFELD, A.B., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

RALPH GREGORY BEACHLEY, M.D., Dr.P.H.

Adjunct Professor of Public Health Practice

EDWARD JAMES BEATTIE, M.D.

Associate in Surgery, Associate in Surgery, University and Gallinger hospitals

VIRGINIA PATTERSON BEELAR, A.B., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

JOSEPH BEINSTEIN, A.B., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

JOHN GORDON BELL, M.D.
Clinical Instructor in Oto-rhino-laryngology. Associate in Oto-rhino-laryngology,
University Hospital

CARL BERG, M.D.

Assistant Clinical Professor of Orthopedic Surgery. Associate in Orthopedic Surgery, University and Gallinger hospitals

SIDNEY BERMAN, B.S., M.D.

Assistant Clinical Professor of Psychiatry. Associate in Psychiatry, University and Gallinger hospitals

SOLOMON RODNEY BERSACK, M.D.

Associate in Radiology, Associate in Radiology, University Hospital

CATHARINE BIRCH, A.B., M.D.
Clinical Instructor in Oto-rhino-laryngology. Associate in Oto-rhino-laryngology,
University Hospital

On leave of absence 1949-50.

BRIAN BLADES, A.B., M.D.

Professor of Surgery, Chief of Service in Surgery.

Professor of Surgery. Chief of Service in Surgery, University Hospital

WALTER ANDREW BLOEDORN, A.M., M.D., Sc.D.

Professor of Medicine; Dean of the School of Medicine. Medical Director,
University Hospital

LESTER SYLVAN BLUMENTHAL, A.B., M.D., M.S. IN Med. Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

STERLING BOCKOVEN, M.D.

Associate in Ophthalmology. Associate in Ophthalmology, University and Gallinger hospitals

DANIEL LERAY BORDEN, A.M., M.D.
Clinical Professor of Surgery; Director of Health Administration. Associate in Surgery, University Hospital

JAMES IRVING BOYD, M.D. Lecturer in Medicine

THOMAS BRADLEY, A.B., M.D.
Clinical Instructor in Surgery. Associate in Surgery, University and Gallinger hospitals

SARA ELIZABETH BRANHAM, Ph.D., M.D., Sc.D. Professorial Lecturer in Preventive Medicine

ANDREW JOSEPH BRENNAN, M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

ROBERT LEE BRICKHOUSE, B.S., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

CRENSHAW DOUGLAS BRIGGS, B.S., M.D.
Clinical Instructor in Surgery. Associate in Surgery, University Hospital

ALBERT SEYMOUR BRIGHT, M.D.
Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and
Gynecology, University Hospital

ALFRED BRIGULIO, M.D.
Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

HALLA BROWN, M.D.
Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

RADFORD BROWN, M.D.
Clinical Professor of Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Consultant in Obstetrics, Gallinger Hospital

THOMAS McPHERSON BROWN, A.B., M.D.

Protessor of Medicine. Chief of Service in Medicine, University Hospital; Consultant in Medicine, Gallinger Hospital

LLOYD BYRON BURK, Jr., M.D.
Clinical Instructor in Surgery. Associate in Surgery, University and Gallinger
haspitals

FREDERIC GERARD BURKE, B.S., M.D.

Clinical Instructor in Pediatrics. Associate in Pediatrics, University Hospital

JAMES THEODORE BURNS, M.D.

Clinical Instructor in Medicine. Associate in Medicine, University Hospital

EDWARD ALEXANDER CAFRITZ, M.D.

Associate in Surgery. Associate in Surgery, University Hospital

PAUL CALABRISI, A.M.

Associate Professor of Anatomy

RICHARD BERNARD CASTELL, A.B., M.D.

Clinical Instructor in Medicine. Associate in Medicine, University Hospital

WILLIAM PAXSON CHALFANT, JR., M.D.

Clinical Instructor in Ophthalmology. Associate in Ophthalmology, University and Gallinger hospitals

FREDERIC DUNBAR CHAPMAN, A.B., M.D., C.M.
Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals; Acting Chief of Service in Medicine, Gallinger Hospital

WILLIAM WILEY CHASE, A.B., M.D.

Clinical Instructor in Surgery. Associate in Surgery, University Hospital

PAUL CHODOFF, A.B., M.D.

Associate in Neurology. Associate in Neurology, University and Gallinger hospitals

ROGER MORRISON CHOISSER, B.S., M.D.

Professor of Pathology. Consultant in Pathology, University Hospital; Chief of Service in Pathology, Gallinger Hospital

CHARLES SEYMOUR COAKLEY, M.D.

Assistant Professor of Anesthesiology. Associate in Anesthesiology, University and Gallinger hospitals

ROBERT NORWOOD COALE, B.S., M.D.,

Clinical Instructor in Medicine. Associate in Medicine, University Hospital

LAURENCE LEE COCKERILLE, M.D.

Associate in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Chief of Service in Gynecology, Gallinger Hospital

MAYNARD IRVING COHEN, A.B., M.D.

Clinical Instructor in Pediatrics. Associate in Pediatrics, University and Gallinger hospitals

HAZEN EUGENE COLE, B.S., M.D.

Clinical Instructor in Surgery. Associate in Surgery, University Hospital

PETER DIACOUMIS COMANDURAS, M.D., M.S.

Assistant Clinical Professor of Medicine. Associate in Medicine, University Hospital

COURSEN BANTER CONKLIN, A.M., M.D.

Clinical Professor of Medicine. Associate in Medicine, University Hospital

JOSEPH FRANCIS CONLON, D.D.S.

Clinical Instructor in Dental Surgery. Associate in Surgery, University Hospital

ROBERT CARTER COOK

Professorial Lecturer on Medical Genetics

FRANK DUNCAN COSTENBADER, B.S., M.D.

Assistant Clinical Professor of Ophthalmology,
University Hospital

RONALD ATMORE COX, A.B., M.D.

Assistant Clinical Professor of Ophthalmology, Associate in Ophthalmology, University and Gallinger hospitals

GEORGE WILLIAM CRESWELL, A.B., M.D.

Assistant Clinical Professor of Dermatology and Syphilology. Associate in Dermatology and Spyhilology, University Hospital

JEREMIAH KEITH CROMER, M.D.
Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and
Gynecology, University Hospital; Chief of Service in Gynecology, Gallinger
Hospital

EUGENE PITCHER CRONKITE, A.B., M.D.

Associate in Medicine. Associate in Medicine, University Hospital

LEON RICHARD CULBERTSON, B.S., M.D.
Clinical Instructor in Urology. Associate in Urology, University Hospital

WILLIAM GREEN CUSHARD, M.D.
Clinical Instructor in Psychiatry. Associate in Psychiatry, University and
Gallinger hospitals

HENRY LAURAN DARNER, A.B., M.D.
Clinical Professor of Obstetrics and Gynecology. Associate in Obstetrics and
Gynecology, University Hospital

CARL CALVIN DAUER, A.B., M.D., M.P.H.

Assistant Clinical Professor of Medicine. Associate in Medicine, University
and Gallinger hospitals

DAVID DAVIS, A.B., M.D.

Associate in Oto-rhino-laryngology. Associate in Oto-rhino-laryngology, University and Gallinger hospitals

WILLIAM JOSEPH GRAHAM DAVIS, A.B., M.D.
Clinical Instructor in Ophthalmology. Associate in Ophthalmology, University and Gallinger hospitals

BENJAMIN FRANKLIN DEAN, Jr., M.S., M.D.

Assistant Clinical Professor of Surgery. Associate in Surgery, University Hospital; Chief of Service in Surgery, Gallinger Hospital

DEWITT ELMER DELAWTER, M.D. Clinical Instructor in Medicine. Associate in Medicine, University Hospital

HERBERT HAROLD DIAMOND, M.D.
Clinical Instructor in Pediatrics. Associate in Pediatrics, University and Gallinger hospitals

PAUL FREDERICK DICKENS, M.D.
Clinical Projessor of Medicine. Associate in Medicine, University Hospital

SAMUEL MAYER DODEK, A.M., M.D.
Associate in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital

HARRY FILMORE DOWLING, A.B., M.D.

Clinical Professor of Medicine. Associate in Medicine, University Hospital;

Chief of George Washington Medical Division, Gallinger Hospital

JAMES SPENCER DRYDEN, M.D.
Clinical Instructor in Ophthalmology. Associate in Ophthalmology, University
and Gallinger hospitals

ABRAHAM DURY, Ph.D.
Assistant Professor of Physiology

JAMES ALBERT DUSBABEK, M.D.

Associate in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital

ADDISON McGUIRE DUVAL, M.D.
Clinical Professor of Psychiatry. Associate in Psychiatry, University and
Gallinger hospitals

ROLLA EUGENE DYER, A.B., M.D., LL.D. Professorial Lecturer in Preventive Medicine

HARRY EAGLE, A.B., M.D.

Adjunct Clinical Professor of Medicine

HENRY DUNLOP ECKER, B.S., M.D.

Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

WATSON WILLIAM ELDRIDGE, Jr., M.D.
Associate in Medicine. Associate in Medicine, University Hospital

CHESTER WILSON EMMONS, Ph.D.
Professorial Lecturer on Medical Mycology

OTTO ANDERSON ENGH, A.B., M.D.
Clinical Instructor in Surgery. Associate in Surgery, University Hospital

JULIUS ROBERT EPSTEIN, M.D.

Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Associate in Gynecology, Gallinger Hospital

CLAYTON BERNARD ETHRIDGE, M.D.
Associate Clinical Professor of Medicine. Associate in Medicine, University
Hospital; Chief of Service in Medicine, Gallinger Hospital; Chief of Service in
Electrocardiography, Gallinger Hospital

JOHN McCALLUM EVANS, A.B., M.D.

Assistant Clinical Professor of Medicine. Associate in Medicine, University
and Gallinger hospitals

JOSEPH FRANCIS FAZEKAS, B.S., M.D. Adjunct Clinical Professor of Medicine

JAMES JOSEPH FEFFER, A.B., M.D.
Associate in Medicine. Associate in Medicine, University and Gallinger hospitals; Chief of Service in Tuberculosis, Gallinger Hospital

ROBERT HANNA FELIX, M.D., M.P.H.
Professorial Lecturer on Mental Hygiene

EDWARD EGNER FERGUSON, M.D.

Clinical Instructor in Urology. Associate in Urology, University and Gallinger hospitals

AUBREY DAVID FISCHER, M.D.

Associate in Oto-rhino-laryngology. Associate in Oto-rhino-laryngology, l'niversity Hospital

THEODORE CLAREMONT CHEN FONG, M.D.

Associate in Dermatology and Syphilology. Associate in Dermatology and Syphilology, University and Gallinger hospitals

WILLIAM FRANK, M.D.

Clinical Instructor in Medicine. Associate in Medicine, University Hospital

MAURICE FRANKS, M.D.

Clinical Instructor in Medicine. Associate in Medicine, University Hospital

CLARENCE KENDALL FRASER, Ph.B., M.D.

Associate in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Chief of Service in Gynecology, Gallinger Hospital

WALTER FREEMAN, Ph.D., M.D.

Professor of Neurology, Consultant and Chief of Service in Neurology, University Hospital; Chief of Service in Neurology, Gallinger Hospital

JAMES QUINCY GANT, Jr., M.S., M.D.

Associate in Dermatology and Syphilology. Associate in Dermatology and Syphilology, University and Gallinger hospitals

LEON GERBER, M.D.

Clinical Instructor in Surgery. Associate in Surgery, University and Gallinger hospitals

WALTER HENRY GERWIG, JR., A.B., M.D.

Clinical Instructor in Surgery. Associate in Surgery, University and Gallinger hospitals

WILLIAM TRAVIS GIBR, A.B., M.D.
Assistant Clinical Professor of Medicine. Associate in Medicine, University Hospital

EUGENE SOLOMEN GLADSDEN, B.S., M.D.

Clinical Instructor in Medicine, Associate in Medicine, University Hospital

NORMAN PHILIP GOLDSTEIN, A.M., M.D. Instructor in Biochemistry

ERNEST ALVA GOULD. M.D.
Clinical Instructor in Surgery. Associate in Surgery, University and Gallanger

WALLACE HARRY GRAHAM, B.S., M.D.

Professorial Lecturer in Surgery. Associate in Surgery, University Huspital

ANGUS MACIVOR GRIFFIN, PH.D. Associate Professor of Bacteriology

EDGAR DEUCHER GRIFFIN, A.B., M.D.

Associate in Psychiatry. Associate in Psychiatry, University and Gailinger hospitals

ROBERT HENRY GROH, B.S., M.D.

Associate in Neurology. Associate in Neurology, University Haspital

MABEL HARLAKENDEN GROSVENOR. A.B., M.D.

Assistant Clinical Professor of Pediatrics. Associate in Pediatrics, University
and Gallinger hospitals

CUSTIS LEE HALL, M.D.
Clinical Professor of Surgery. Associate in Surgery, University Hospital

ROSCOE WILLIS HALL, Ph.B., M.D.
Clinical Professor of Psychiatry. Associate in Psychiatry, University Hospital

CHARLES ROBERT LEE HALLEY, A.B., M.D.
Clinical Professor of Medicine. Associate in Medicine, University Hospital

FRANK ERRETT HAMILTON, A.B., M.D., M.S.

Adjunct Clinical Professor of Surgery. Associate in Surgery, University II ispital

WILLIAM HENRY HANNA, A.B., M.D.
Clinical Instructor in Ophthalmology, Associate in Ophthalmology, University
and Gallinger hospitals

BERNARD LAURISTON HARDIN, JR., A.B., M.D.
Associate in Medicine. Associate in Medicine, University Hospital

JEROME BLAINE HARRELL, M.D.
Assistant Clinical Professor of Surgery. Associate in Surgery, University Hospital; Head of Department of Surgery, Gallinger Hospital

CLARENCE RICHARD HARTMAN, A.B., M.D.
Associate in Medicine. Director of University Outpatient Department

FREDERICK BURGESS HARTSOCK, M.D. Instructor in Anatomy

JOHN RODERICK HELLER, Ja., B.S., M.D.
Professorial Lecturer on Venereal Disease Control

ELSON BOWMAN HELWIG, B.S., M.D. Professorial Lecturer in Pathology

ROY HERTZ, Ph.D., M.D.

Assistant Clinical Professor of Medicine. Associate in Medicine, University and Gallinger hospitals

ROBERT PELLEY HILL, B.S., M.D.

Assistant Professor of Pathology. Assistant Director of Laboratories, University Hospital

CLAYTON HOWARD HIXSON, M.D.

Associate in Obstetrics and Gynecology, University Hospital

PEARL HOLLY, M.S., M.D.
Associate in Medicine, University and Gallinger hospitals

ALEC HORWITZ, M.S., M.D.

Assistant Clinical Professor of Surgery. Associate in Surgery, University Hospital; Chief of Service in Surgery, Gallinger Hospital

WILLIAM ALLEN HOWARD, A.B., M.D.
Clinical Instructor in Pediatrics. Associate in Pediatrics, University Hospital

CAMP STANLEY HUNTINGTON, M.D.

Clinical Instructor in Medicine. Associate in Medicine, University Hospital

VINCENT MICHAEL IOVINE, B.S., M.D.

Assistant Clinical Professor of Surgery. Associate in Surgery, University and
Gallinger hospitals

GEORGE WASHINGTON IRVING, Jr., Ph.D. Professorial Lecturer on Proteins

CAROLINE JACKSON, A.M., M.D.
Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and
Gynecology, University Hospital; Associate in Obstetrics, Gallinger Hospital

RICHARD LEE JACKSON, M.D.

Clinical Instructor in Surgery. Associate in Surgery, University Hospital

DOROTHY STEINLE JAEGER, M.D.

Assistant Clinical Professor of Pediatrics. Associate in Pediatrics, University
Hospital

RUSSEL JON JANSEN, M.D.

Associate in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital

WILLIAM DABNEY JARMAN, B.S., M.D.
Clinical Instructor in Urology. Associate in Urology, University and Gallinger
hospitals

WILLIAM HERNDON JENKINS, M.D.
Clinical Professor of Oto-rhino-laryngology. Associate in Oto-rhino-laryngology,
University Hospital

CHARLES WILSON JONES, A.B., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

BEN CALLOWAY JONES, Jn., M.D.
Associate in Medicine. Associate in Medicine, University Hospital

SOL KATZ, B.S., M.D.

Adjunct Clinical Professor of Medicine

SOLOMON KATZENELBOGEN, M.D.
Clinical Professor of Psychiatry. Associate in Psychiatry, University and
Gallinger hospitals

MORTON SELWYN KAUFMAN, A.B., M.D. Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Ilaspital

JOHN WILLIAM KEMBLE, A.B., M.D. Professorial Lecturer in Anatomy

ISABELLE KENDIG, Ph.D.

Associate in Psychiatry. Associate in Psychiatry, University Hospital

IRVIN KERLAN, B.S., M.D., C.P.H.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

ISRAEL KESSLER, M.S., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

HAYDEN KIRBY-SMITH, B.S., M.D.

Assistant Clinical Professor of Dermatology and Syphilology. Associate in Dermatology and Syphilology, University and Gallinger hospitals

STANLEY WILLIAM KIRSTEIN, M.D.
Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

ALBERT DAVID KISTIN, A.M., M.D.
Associate in Medicine

MORRIS KLEINERMAN, CH.D., M.B.
Assistant Clinical Professor of Psychiatry. Associate in Psychiatry, University
Hospital

CALVIN TREXLER KLOPP, A.B., M.D.

Assistant Clinical Professor of Surgery. Associate in Surgery, University and
Gallinger hospitals

JACOB KOTZ, M.D.

Clinical Professor of Obstetrics and Gynecology. Associate in Obstetrics and
Gynecology, University Hospital

HAROLD WALTER KROGH, D.D.S.

Associate in Dental Surgery. Associate in Surgery, University Hospital

WILLIAM THURSTON LADY, M.D.
Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Associate in Obstetrics, Gallinger Hospital

CARL LEONARD LARSON, B.S., M.D.
Assistant Clinical Professor of Medicine

JOHN WILMER LATIMER, JR., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

HENRY PRATHER LAUGHLIN, B.S., M.D.

Associate in Psychiatry. Associate in Psychiatry, University and Gallinger hospitals

CARL JOHN LAUTER, M.S.
Professorial Lecturer on Municipal Sanitation

CHARLES EDWARD LAW, M.D.
Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

ALFRED HENRY LAWTON, M.D., Ph.D.
Assistant Clinical Professor of Medicine

JOHN GORDON LEE, A.B., M.D., C.M., Med. Sc.D.

Assistant Clinical Professor of Medicine. Associate in Medicine, University

Hospital

CHESTER ELWOOD LEESE, Ph.D. Professor of Physiology

OSCAR LEGAULT, A.B., M.D.
Clinical Instructor in Neurology. Associate in Neurology, University and
Gallinger hospitals

THOMAS MILES LEONARD, Ph.B., M.D.
Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and
Gynecology, University Hospital, Associate in Obstetrics, Gallinger Hospital

MARK HUMMER LEPPER, M.D.

Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger haspitals

EDWARD LEWIS, M.D. Clinical Professor of Pediatrics. Associate in Pediatrics, University Hospital

JAMES WALLING LONG, M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

REGINALD SPENCER LOURIE. M.D.
Associate in Pediatrics. Associate in Pediatrics, University Hospital

JOHN HUGH LYONS, M.S., M.D.
Clinical Professor of Surgery. Associate in Surgery, University Hospital

ROSS CLAYTON MACCARDLE, Ph.D. Professorial Lecturer in Anatomy

PAUL BUDD MAGNUSON, M.D.

Adjunct Clinical Professor of Surgery. Associate in Surgery, University Hospital

GEORGE MAKSIM, M.D., M.S. IN Pep.
Assistant Clinical Professor of Pediatrics. Associate in Pediatrics, University and Gallinger hospitals

BENJAMIN MANCHESTER, M.D.

Associate in Medicine, Associate in Medicine, University Hospital; Chief of Service in Medicine, Gallinger Hospital; Associate in Electrocardiography, Gallinger Hospital

JOHN BAYNE MARBURY, M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

WILLIAM BERRY MARBURY, M.D.
Clinical Professor of Surgery. Associate in Surgery, University Hospital

SHIRLEY SUE MARTIN. M.D.
Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Associate in Obstetrics, Gallinger Hospital.

WILLIAM GRAY McCARTEN, B.S. Associate in Bacteriology

WILLIAM STANLEY McCUNE, A.B., M.D.

Assistant Clinical Professor of Surgery. Associate in Surgery, University and
Gallinger hospitals

JAMES JERRY McFARLAND, Jr., B.S., M.D.
Conneal Instructor in Oto-rhino-laryngology. Associate in Oto-rhino-laryngology, University Hospital

LEWIS WALKE McILHANY, M.S., M.D.
Clinical Instructor in Public Health Practice

PRESTON ALEXANDER McLENDON, B.S., M.D.

Professor of Pediatrics. Chief of Service in Pediatrics, University and Gallinger hospitals; Chief, George Washington Pediatric Division, Gallinger Hos-

HENRY JOHN RUSSELL McNITT, B.S. IN MED., M.D.

Associate in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital

WILLIAM CAREY MELOY, M.D., M.S. IN MED.

Associate in Surgery. Associate in Surgery, University and Gallinger haspitals

MAURICE MENSH, M.D.

Clinical Instructor in Medicine. Associate in Medicine, University Hospital

BENJAMIN FRANK MILLER, B.S., CHEM, ENG., M.D.

Clinical Professor of Medicine. Associate in Medicine, University Hospital

RALPH BRETNEY MILLER, M.D.

Clinical Instructor in Medicine. Associate in Medicine. University Hospital

MARY BARBARA MILLS, M.S. Instructor in Biochemistry

JOHN MINOR, A.B., M.D.

Associate in Medicine. Associate in Medicine, University Hospital

REGINALD HENRY MITCHELL, M.D.

Clinical Instructor in Pediatrics. Associate in Pediatrics, University Hospital

DANIEL BRUCE MOFFETT, A.B., M.D.

Professor of Oto-rhino-laryngology. Chief of Service in Oto-rhino-laryngology, University Hospital: Consultant, Gallinger Hospital

WILLIAM ROSS MORRIS, M.D.

Associate in Surgery. Associate in Surgery, University Hospital; Chief of Service in Surgery, Gallinger Hospital

ARTHUR JAMES MOUROT, B.S., M.D.

Clinical Instructor in Surgery. Associate in Surgery, University Hospital

LLOYD HARVEY MOUSEL, M.S., M.D.

Professor of Anesthesiology. Chief Anesthesiologist, University Hospital; Chief of Division of Anesthesiology, Gallinger Hospital

JAMES PETER MURPHY, B.S., M.D.
Associate in Neurological Surgery, University and Gallinger hospitals

FRANCIS JAMES MURRAY, A.B., M.D.

Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

WALTER KENDALL MYERS, B.S., M.D.

Assistant Clinical Professor of Medicine. Associate in Medicine, University

CARMON ROBERT NAPLES, B.S., M.D.

Clinical Instructor in Ophthalmology. Associate in Ophthalmology, University and Gallinger hospitals

ERWIN ELLIS NELSON, M.D., Ph.D. Adjunct Clinical Professor of Pharmacology

JULIUS SALEM NEVIASER, A.B., M.D.
Assistant Clinical Professor of Orthopedic Surgery. Associate in Orthopedic Surgery, University and Gallinger hospitals

JOSEPH NEY, B.S., M.D.

Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

MARGARET MARY NICHOLSON, A.B., M.D.

Clinical Professor of Pediatrics. Associate in Pediatrics, University Hospital; Senior Attending Physician in Pediatrics, Gallinger Hospital

AARON NIMETZ, A.B., M.D.
Assistant Clinical Professor of Pediatrics. Associate in Pediatrics, University Hospital

GEORGE NORDLINGER, A.B., M.D.

Associate in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Chief of Service in Obstetrics, Gallinger Hospital

JOEL NORTON NOVICK, M.S., M.D.

Clinical Instructor in Oto-rhino-laryngology. Associate in Oto-rhino-laryngology, University and Gallinger hospitals

ROGER O'DONNELL, JR., A.B., M.D.

Associate in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital

CHARLES WILLIAM ORDMAN, A.B., M.D.

Associate in Medicine. Associate in Medicine, University and Gallinger hospitals

GILBERT OTTENBERG, A.M., M.D.

Associate in Urology. Associate in Urology, University and Gallinger hospitals

WINFRED OVERHOLSER, A.B., M.D., Sc.D.

Protessor of Psychiatry. Consultant and Chief of Service in Psychiatry,
University Hospital; Chief of Service in Psychiatry, Gallinger Hospital

EDWIN PEARSON PARKER III, B.S., M.D. Clinical Instructor in Medicine

HOWARD POPE PARKER, A.B., M.D.

Associate in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital

KATHERINE ELIZABETH PARKER, A.M., M.D.

Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital

JOHN PARKS, M.S., M.D.

Professor of Obstetrics and Gynecology. Chief of Service in Obstetrics and Gynecology, University Hospital; Head of the Department of Obstetrics and Gynecology, Gallinger Hospital

LELAND WILBUR PARR, Ph.D.

Professor of Bacteriology. Consultant in Bacteriology, University Hospital

JOHN HOWELL PEACOCK, B.S., M.D.

Clinical Instructor in Pediatrics. Associate in Pediatrics, University Hospital

JED WILLIAMS PEARSON, Jr., A.B., M.D.
Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Associate in Obstetrics, Gallinger Hospital

THOMAS MARTIN PEERY, A.B., M.D.

Associate Professor of Pathology. Director of Postgraduate Instruction; Director of Laboratories, University Hospital

THOMAS JOSEPH PEKIN. M.D.

Clinical Instructor in Medicine, Associate in Medicine, University Hospital

LEONARD THEODORE PETERSON, A.B., B.S., M.D.
Assistant Clinical Professor of Orthopedic Surgery. Associate in Orthopedic Surgery, University Hospital; Chief of Service in Orthopedics, Gallinger Hospital

VERNON DAVID PETTIT, B.S., M.D.

LIEUTENANT COLONEL, MEDICAL CORPS, UNITED STATES ARMY

Professor of Military Science and Tactics

ANDREW GABRIEL PRANDONI, B.S., M.D.

Associate in Medicine. Associate in Medicine, University and Gallinger hospitals

NEEL JACK PRICE, B.S., M.D.
Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Associate in Gynecology, Gallinger Hospital

MAURICE PROTAS. A.B., M.D.

Associate in Medicine. Associate in Medicine, University Hospital

LAWRENCE ELIAS PUTNAM, A.B., M.D.
Associate in Medicine. Associate in Medicine, University Hospital

PAUL STIRLING PUTZKI, M.D.

Clinical Professor of Surgery. Associate in Surgery, University Hospital

HERBERT PERCY RAMSEY, A.B., M.D.
Clinical Professor of Obstetrics and Gynecology. Associate in Obstetrics and
Gynecology, University Hospital; Consultant in Gynecology, Callinger Hospital

HENRY RAPPAPORT, M.D.

Professorial Lecturer in Pathology

JOHN ALTON REED, A.B., M.D.

Assistant Clinical Professor of Medicine. Associate in Medicine, University

Hospital

FREDERICK A. REUTER, M.D.

Professor of Urology. Chief of Service in Urology, University Hospital; Consultant, Gallinger Hospital

JACK JACOB RHEINGOLD, A.B., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

DUANE CASE RICHTMEYER, A.B., M.D.

Clinical Instructor in Surgery. Associate in Surgery, University and Gallinger hospitals

BARTON WINTERS RICHWINE, M.D.

Associate in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Chief of Service in Obstetrics, Gallinger Hospital

ARCH LOCKHART RIDDICK, B.S., M.D.

Clinical Professor of Surgery. Associate in Surgery, University Hospital

HUGO VICTOR RIZZOLI, A.B., M.D.

Clinical Instructor in Neurological Surgery. Associate in Neurological Surgery, University Hospital

MARY LOUISE ROBBINS, Ph.D.

Assistant Professor of Bacteriology

JOSEPH HYRAM ROE, Ph.D

Professor of Biochemistry. Consultant in Biochemistry, University Hospital

FLOYD STERLING ROGERS, M.D.

Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Chief of Service in Gynecology, Gallinger Hospital

AUSTIN BERTRAM ROHRBAUGH, JR., M.D.

Clinical Instructor in Orthopedic Surgery. Associate in Orthopedic Surgery, University and Gallinger hospitals

RUFUS MARTIN ROLL, A.B., M.D.

Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Chief of Service in Gynecology, Gallinger Hospital

MONROE JAMES ROMANSKY, A.B., M.D.

Associate Professor of Medicine. Associate in Medicine, University and Gallinger hospitals; Assistant Director of Laboratories, University Hospital

WALTER JOSEPH ROMEJKO, M.D.

Clinical Instructor in Ophthalmology. Associate in Ophthalmology, University and Gallinger hospitals

MORRIS HIRSH ROSENBERG, A.B., M.D.

Clinical Instructor in Medicine. Associate in Medicine, University Hospital

LOUIS ROSS, M.D.

Clinical Instructor in Medicine. Associate in Medicine, University Hospital

SIDNEY ROSS, M.D.

Clinical Instructor in Pediatrics. Associate in Pediatrics, University and Gallinger hospitals

ALVIN VICTOR ROUZER, B.S., M.D.

Clinical Instructor in Medicine. Associate in Medicine, University Hospital

MARSHALL DE GRAFFENRIED RUFFIN, B.S., M.D.

Associate in Psychiatry. Associate in Psychiatry, University and Gallinger hospitals

JOSEPH FRANCIS SADUSK, Jr., A.B., M.D.

Adjunct Chinical Professor of Medicine. Associate in Medicine, University and Gallinger hospitals

WILLIAM WARREN SAGER, M.S., M.D.

Associate Clinical Professor of Surgery. Associate in Surgery, University Hospital; Chief of Service in Surgery, Gallinger Hospital

THOMAS STONE SAPPINGTON, A.B., M.D.

Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

MARY KATHERINE LAURENCE SARTWELL, A.B., M.D.

Clinical Instructor in Pediatrics. Associate in Pediatrics, University and Gallinger hospitals

LEROY LEE SAWYER, A.B., M.D.
Assistant Clinical Professor of Oto-rhino-laryngology, Associate in Oto-rhino-laryngology, University Hospital

ROYD RAY SAYERS, A.M., M.D.
Professorial Lecturer on Industrial Hygiene

WILLIAM JOHN SCHEWE, A.B., B.S. IN Med., M.D.
Instructor in Pathology. Associate in Pathology, University and Gallinger
hospitals

LEO GREGOR SCHMELZER
Superintendent of the University Hospital

HERBERT HERMANN SCHOENFELD, M.D.

Associate Clinical Professor of Surgery. Associate in Surgery, University

Hospital

RAYMOND SCHWARTZ, A.B., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

WILLIAM HENRY SEBRELL, Jr., M.D. Professorial Lecturer on Nutrition

HYMAN DAVID SHAPIRO, M.D.

Assistant Clinical Professor of Neurology. Associate in Neurology, University
and Gallinger hospitals

SAMUEL HAZEN SHEA, M.D.

Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital; Associate in Gynecology, Gallinger Hospital

ERNEST ALFRED WATSON SHEPPARD, M.D., C.M.
Professor of Ophthalmology. Chief of Service in Ophthalmology, University
Hospital; Consultant in Ophthalmology, Gallinger Hospital

SAMUEL ALEXANDER SILK, PHAR.G., M.D.
Associate in Psychiatry. Associate in Psychiatry, University Hospital

HANS FRANK SMETANA, M.D. Professorial Lecturer in Pathology

GORDON MURDOCH SMITH, A.B., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University Hospital

PAUL KENNETH SMITH, Prof. Professor of Pharmacology. Consultant in Therapeutics, University and Gallinger hospitals

LUTHER HENRY SNYDER, A.B., M.D.
Clinical Instructor in Medicine, Associate in Medicine, University Hospital

WILLIAM STANBRO, M.D.

Associate Professor of Radiology. Chief Roentgenologist, University Hospital

CHARLES FREDERICK STIEGLER, A.B., M.D.
Clinical Instructor in Pediatrics. Associate in Pediatrics, University Hospital

MYER HAROLD STOLAR. B.S., M.D.
Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

MICOLLIUS NOEL STOW, M.D., D.M.S.

Clinical Instructor in Ophthalmology. Associate in Ophthalmology, University
and Gallinger hospitals

DONALD HARRISON STUBBS, A.M., M.D.

Clinical Professor of Anesthesiology. Associate in Anesthesiology, University and Gallinger hospitals

SAMUEL JACOB NATHAN SUGAR, PHAR.G., M.D.

Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

LEWIS KAIGLER SWEET, A.B., M.D.

Adjunct Clinical Professor of Pediatrics. Associate in Pediatrics, University Hospit.il

SAMUEL ROSS TAGGART, M.D.

Assistant Clinical Professor of Medicine

ROBERT GEORGE TAYLOR, M.D. Clinical Instructor in Medicine. Associate in Medicine, University Hospital

WILLIAM DANDRIDGE TERRELL, JR., M.D. Clinical Instructor in Obstetrics and Gynecology. Associate in Obstetrics and Gynecology, University Hospital

LAWRENCE JAY THOMAS, B.S., M.D.

Associate in Medicine. Associate in Medicine, University and Gallinger haspitals

CHARLES WATERS THOMPSON, M.D.

Clinical Instructor in Medicine. Associate in Medicine, University and Gallinger hospitals

RICHARD KNIGHT THOMPSON, D.D.S.

Associate in Dental Surgery. Associate in Surgery, University Hospital

THOMAS CARLTON THOMPSON, B.S., M.D.

Climeal Processor of Urology. Associate in Urology, University Hospital; Chief of Service in Urology, Gallinger Hospital

NORMAN HAWKINS TOPPING, A.B., M.D. Professorial Lecturer on Rickettsial Diseases

ALDO PETER TRUANT, A.B. Instructor in Pharmacology

CARLETON RAYMOND TREADWELL, Ph.D. Associate Professor of Biochemistry

JOHN WATKINS TRENIS, A.B., M.D.

Associate in Medicine. Associate in Medicine, University Hospital

HARRIET ELIZABETH TWOMBLY, A.B., M.D.

Associate in Psychiatry. Associate in Psychiatry, University Hospital

HOMER KING VANN, A.B., M.D.

Clinical Instructor in Oto-rhino-laryngology. Associate in Oto-rhino-laryngology, University Hospital

JOHN AUGUSTINE WASHINGTON, A.B., B.S., M.D.

Assistant Clinical Professor of Pediatrics. Associate in Pediatrics, University Hospital

JAMES WINSTON WATTS, B.S., M.D.

Professor of Neurological Surgery. Chief of Neurosurgery, University and Gallinger hospitals

GEORGE DAVIS WEICKHARDT, M.D.

Clinical Instructor in Neurology. Associate in Neurology, University Hospital

JACOB JOSEPH WEINSTEIN, B.S., PHAR.G., M.D.

Associate in Surgery. Associate in Surgery, University and Gallinger hospitals

CARL HUNT WELLS, B.S., M.D.

Associate Professor of Pathology. Associate in Pathology, University and Gallinger hospitals

RUTH HECHLER WICHELHAUSEN, M.D. Associate in Medicine

RICHARD WALLACE WILKINSON, M.S., M.D.

Associate in Ophthalmology. Associate in Ophthalmology, University and Gallinger hospitals

WENDELL MELVIN WILLETT, M.D.

Clinical Instructor in Dermatology and Syphilology. Associate in Dermatology and Syphilology, University and Gallinger hospitals

JONATHAN MARSHALL WILLIAMS, M.D.

Clinical Instructor in Neurological Surgery. Associate in Neurology and Neurological Surgery, University and Gallinger hospitals

IRVING WOLFE WINIK, M.D.

Associate in Medicine. Associate in Medicine, University and Gallinger has pitals

CHARLES SAMUEL WISE, B.S., M.D.

Associate Professor of Physical Medicine. Director of Physical Medicine, University Hospital; Chief of Department of Physical Medicine, Gallinger Hospital

HENRY HARCUS WORK, A.B., M.D. Associate in Pediatrics

WILLARD HULL WRIGHT, D.V.M., Ph.D. Professorial Lecturer on Medical Zoology

CLARK HARVEY YEAGER, M.D., DR.P.H. Professorial Lecturer on Tropical Medicine

HYMAN JOSEPH ZIMMERMAN, A.B., M.D. Clinical Instructor in Medicine

RAYMOND LULL ZWEMER, Ph.D.

Professorial Lecturer in Anatomy

ASSISTANTS

ASSISTANTS IN RESEARCH AND INSTRUCTION

RUTH BENEDICT, A.B., M.D. Teaching Fellow in Cardiology

SAMUEL BESSMAN, M.D.

Fellow in Pediatrics

ESTON ROBERT CALDWELL, BS., M.D. Research Fellow in Medicine

ALLAN BERTRAM COLEMAN, M.D. Teaching Fellow in Pediatrics

JOSEPH AUGUSTINE CONNOR, Jr., M.D. Teaching Fellow in Medicine

CHARLOTTE MOOAR DAMRON, M.S. Teaching Fellow in Biochemistry

JEROME HAROLD EPSTEIN, M.S. Graduate Assistant in Riochemistry

MORTIMER JAMES FOLSTON, A.B., M.D. Teaching Fellow in Pediatrics

JASON GEIGER, A.B., M.D.

Research Fellow in Pulmonary Diseases

EZRA MARTIN GREENSPAN, A.B., M.D. Research Fellow in Medicine

JOSEE GHISLAINE HOEBEKE, M.D. Fellow in Anesthesiology

LEROY EDWARD HOECK, M.D. Research Fellow in Pediatrics

JACK KLEH, A.B., M.D. Research Fellow in Cardiology

JAMES PACKARD MANN, M.D. Teaching Fellow in Pulmonary Diseases

JEAN MAYER. Ph.D. Research Associate in Pharmacology

LOUIS JOSEPH MICHINI, A.B. Sanders Fellow in Bacteriology

MAX STEPHEN MILLAR, M.D. Teaching Fellow in Pathology

ZELMA BAKER MILLER. B.S., Ph.D. Research Associate in Pharmacology

ROBERT RICE MONTGOMERY, A.B., M.D. Teaching Fellow in Pathology

LUIS GUILDBALDO MURILLO, B.S., M.D. Fellow in Neurology

HOWARD CLEMETH PIERPONT, A.B., M.D., C.M. Fellow in Surgery

EUGENE WORTHINGTON RICE, B.S. Sanders Fellow in Biochemistry

MARIAN ELIZABETH ROSSI, A.B. Sanders Fellow in Bacteriology

FREDERICK SHILLINGER, B.S., M.D. Teaching Fellow in Pathology

BENJAMIN WILLIAMS SMITH, B.S. Sanders Fellow in Biochemistry

HYMAN ERWIN STEINMAN, M.D. Teaching Fellow in Physiology

CELIA WHITE TABOR, A.B., M.D. Research Associate in Phaemacology

LASZLO NANDOR TAUBER, M.Ch., M.D. Teaching Fellow in Neurological Surgery

EKREM TURAN, M.D.

Teaching Fellow in Obstetrics and Gynecology

MERTON WAITE, M.D. Teaching Fellow in Anatomy

RICHARD LEE WHELTON, M.D. Teaching Fellow in Medicine

TECHNICAL ASSISTANTS

James Crawford Bruce, Laboratory Assistant in Animal Care
Arnold Irwin Goodfriend, Technician in Pharmacology
Solomon Hazen, Technician in Biochemistry
Rosemary Imbert, A.B., Technician in Medicine
Carroll Wirt Lawrence, Technician in Bacteriology
Clarence Wilbur Miller, Technician in Pathology
Cayetano Nagac, A.B., Technician in Pathology
Virginia Sutton Ringness, Research Assistant in Obstetrics and Gynecology
Bess Sullivan, A.B., Technician in Medicine

ADMINISTRATIVE ASSISTANTS

Catherine Breen, Assistant to the Dean of the School of Medicine
Sally Brewster Jamieson, A.B., B.S. in L.S., Assistant Librarian, Medical
Library

Caroline Sykes, B.S., Secretary Shirley Thorne Eads, Secretary Joyce Elizabeth Smith, Secretary Betty Lou Watkins, Secretary

Ella Paris Heard, R.N., Administrative Secretary, Postgraduate De-

Joan Winifred Weidaw, Secretary, Postgraduate Department Alicia Frances Lacy, Secretary

THE SCHOOL OF MEDICINE

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., President of the University
Walter Andrew Bloedorn, A.M., M.D., Sc.D., Dean of the School of
Medicine

Thomas Martin Peery, A.B., M.D., Director of Postgraduate Instruction

Joseph Hyram Roe, Ph.D., Professor of Biochemistry
Walter Freeman, Ph.D., M.D., Professor of Neurology
Walter Andrew Bloedorn, A.M., M.D., Sc.D., Professor of Medicine
Errett Cyril Albritton, A.B., M.D., Professor of Physiology
Roger Morrison Choisser, B.S., M.D., Professor of Pathology
Winfred Overholser, A.B., M.D., Sc.D., Professor of Psychiatry
Leland Wilbur Parr, Ph.D., Professor of Bacteriology
Frederick A. Reuter, M.D., Professor of Urology
Harry Ford Anderson, M.D., Professor of Dermatology and Syphilology
Daniel Bruce Moffett, A.B., M.D., Professor of Oto-rhino-laryngology
John Parks, M.S., M.D., Professor of Obstetrics and Gynecology
Preston Alexander McLendon, B.S., M.D., Professor of Pediatrics
Ernest Alfred Watson Sheppard, M.D., C.M., Professor of Ophthalmology

Brian Blades, A.B., M.D., Professor of Surgery
Paul Kenneth Smith, Ph.D., Professor of Pharmacology
James Winston Watts, B.S., M.D., Professor of Neurological Surgery
Warren Andrew, Ph.D., M.D., Professor of Anatomy
Thomas McPherson Brown, A.B., M.D., Professor of Medicine
Lloyd Harvey Mousel, M.S., M.D., Professor of Anesthesiology
Chester Elwood Leese, Ph.D., Professor of Physiology
Radford Brown, M.D., Clinical Professor of Obstetrics and Gynecology
Thomas Carlton Thompson, B.S., M.D., Clinical Professor of Urology
Daniel LeRay Borden, A.M., M.D., Clinical Professor of Surgery
Thomas Martin Peery, A.B., M.D., Associate Professor of Pathology
Angus MacIvor Griffin, Ph.D., Associate Professor of Bacteriology
Carleton Raymond Treadwell. Ph.D., Associate Professor of Biochemistry

William Stanbro, M.D., Associate Professor of Radiology
Charles Samuel Wise, B.S., M.D., Associate Professor of Physical
Medicine

William Staton Anderson, A.B., M.D., Clinical Professor of Pediatrics Leo Gregor Schmelzer, Superintendent of the University Hospital

COMMITTEES •

THE DEAN'S COUNCIL

Joseph Hyram Roe

Winfred Overholser

Brian Blades

COMMITTEE ON ADMINISTRATION OF THE UNIVERSITY HOSPITAL AND OUTPATIENT DEPARTMENT

Walter Andrew Bloedorn, Chairman

John Parks Brian Blades Thomas McPherson Brown Leo Gregor Schmelzer

COMMITTEE ON ADMISSIONS
Leland Wilbur Parr, Chairman
Thomas Martin Peery

COMMITTEE ON CURRICULUM

Thomas Martin Peery, Chairman

Leland Wilbur Parr John Parks Thomas McPherson Brown
Brian Blades

Brian Blades

COMMITTEE ON GRADUATE STUDIES

Errett Cyril Albritton, Chairman

John Parks

Angus MacIvor Griffin

COMMITTEE ON LIBRARY

Chester Elwood Leese, Chairman

Thomas McPherson Brown
Thomas Martin Peery

Carleton Raymond Treadwell
Paul Calabrisi

COMMITTEE ON RESEARCH

Brian Blades, Chairman

Roger Morrison Choisser

Thomas McPherson Brown

Angus MacIvor Griffin

COMMITTEE ON SCHOLARSHIP

John Parks, Chairman

Joseph Hyram Roe

Leland Wilbur Parr

Warren Andrew

The President of the University and the Dean of the School of Medicine are members ex officio of all committees.

COMMITTEE ON INTERN AND RESIDENT TRAINING Lloyd Harvey Mousel, Chairman

Thomas Martin Peery John Parks

Brian Blades
Thomas McPherson Brown

Leo Gregor Schmelzer

COMMITTEE ON HOSPITAL PRIVILEGES Thomas McPherson Brown, Chairman

John Parks

Brian Blades

Advisory Committee on Postgraduate Instruction Thomas Martin Perry, Chairman

Walter Freeman Winfred Overholser John Parks Ernest Alfred Watson Sheppard Brian Blades Thomas McPherson Brown Harry Filmore Dowling Lewis Kaigler Sweet

GENERAL INFORMATION

INTRODUCTORY

The School of Medicine of The George Washington University was opened in March 1825; of the medical schools now in existence in the United States, it is the eleventh in chronological order of founding. The University Hospital and Dispensary were established in 1898 and made a part of the organization of the School.

The School is a member of the Association of American Medical Colleges and is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association. The degrees of the School of Medicine are recognized by all state examining boards.

PLAN OF INSTRUCTION

Each year of the medical curriculum is divided into two terms of sixteen weeks each. Beginning in June 1950, the schedule of the senior year will be on a quarterly basis covering a calendar year. The formal academic assignments will occupy three terms. The fourth term will be free for the election of additional experience or investigative work, or for vacation. The senior class will be divided into four groups. Group I will be free in the summer; Group II, in the fall; Group III, in the winter; and Group IV, in the spring.

The Faculty of the School of Medicine will organize the electives for the free quarter so as to make them important factors in the program. It is planned that electives may include: (1) junior internship; (2) investigative work; or (3) clinical experience under a general practitioner or specialist.

The salient features in the method of instruction are thorough laboratory training, demonstrations, and clinical teaching, with recitations and lectures to clarify the many problems presented. The clinical material in the various hospitals and outpatient departments is utilized to the fullest extent for both clinical instruction and laboratory work.

EQUIPMENT AND FACILITIES

The George Washington University Hospital.—The new hospital, with a capacity of 400 beds, was opened in 1948. This splendid new edifice, which is one of the outstanding hospitals in the United States, is completely furnished with the latest and most scientific apparatus and equipment. Its purpose is to supplement existing hospital resources in the District of Columbia for the care of the sick and the injured; the education of physicians, nurses, and technicians; and the advancement of medical knowledge.

The hospital is staffed and controlled by the Faculty of the George Washington University School of Medicine and it provides excellent clinical material for the instruction of medical students. Virtually every specialty in the fields of medicine and surgery has assigned space and equipment in both the outpatient department and the bed-patient section of this modern institution.

Medical School Building.—The building housing the School of Medicine is a five-story structure with lecture rooms and classrooms, laboratories, and students' rooms.

Laboratories.—A four-story laboratory building is adjacent to the main medical building. The major laboratories are for anatomy, histology and embryology, bacteriology, hygiene and preventive medicine, biochemistry, pathology, pharmacology and physiology, and clinical microscopy. They are fully equipped to enable students to pursue adequately the laboratory courses and to acquire the technical skill necessary in modern clinical and investigative work.

Medical Library.—The Library contains a selected reference collection of more than 10,000 volumes, and provision is made to add to it the important new medical works. The principal medical periodicals are received regularly.

The library is open from 9:00 A.M. to 9:00 P.M. each class day (Saturday, 9:00 A.M. to 1:00 P.M.).

GOVERNMENT LIBRARIES AND MUSEUMS

The Library of the Surgeon General's Office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library, as well as the Library of Congress, the Public Library, and the many excellent libraries of the various government departments, is available to students and teachers through a service maintained by the Medical School Library.

The Army Medical Museum affords opportunity for studying the conditions met in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequaled by any other museum in this country. The Museum of Hygiene, the National Museum, the Smithsonian Institution, the Botanic Gardens and the Department of Agriculture all afford opportunities for study in Medicine and its allied sciences.

CLINICS

The city of Washington, with about a million inhabitants, provides ample clinical material. The University Hospital and Outpatient Department furnish clinical facilities and a large proportion of the materials studied in the courses in pathology and clinical pathology.

The University Hospital.—All clinics are under the supervision of the Dean, who is also Medical Director of the Hospital. This insures the highest possible utilization of available clinical material for teaching purposes and the proper supervision of clinicians and students: it brings the individual student into direct contact with patients and requires him to do, under authoritative supervision, the clinical and laboratory work necessary for diagnosis and treatment; and it permits proper interpretation of the conditions occurring during the progress of cases and promotes the keeping of adequate records. Clinical and clinico-pathological conferences are held in which the history of cases, the physical findings, laboratory records, and the post-mortem pathology when available, are presented and correlated.

The Outpatient Department.—The Outpatient Department has clinical facilities for each Service in the Hospital. Fourth-year students are assigned in rotation by section for clinical instruction in the Outpatient Department.

Cancer Clinics.—The facilities of the Cancer Detection Clinic are available to medical students. In addition the diagnosis and treatment of various forms of neoplasms are presented. The results of the treatment of neoplasms are evaluated by follow-up studies.

The Helen L. and Mary E. Warwick Memorial, for cancer and allied diseases, was affiliated with The George Washington University in July 1948. The purposes of this clinic are (1) to provide care for cancer patients, through group consultations within a cancer organization, and (2) to provide training for physicians in the field of oncology.

Gallinger Municipal Hospital.—Clinical instruction is available in all

branches of medicine. A great wealth of clinical material is afforded in this hospital and by ordinance of the municipal authorities of the District of Columbia, members of the Faculty of this School of Medicine, who are nominated by this University, are assigned approximately one-third of the patients for treatment and clinical study. Third-year students serve their clinical clerkships at this institution.

Childrens Hospital.—Clinical instruction in pediatrics, dermatology, and orthopedic surgery.

Emergency Hospital and Central Dispensary.—Clinical instruction in medicine, surgery, and the specialties.

Garfield Memorial Hospital.—Clinical instruction in gynecology and obstetrics in the outpatient department, on the wards, and in the operating room.

St. Elizabeths Hospital.—Clinical instruction in mental and nervous diseases, medicine, post-mortem work, and gross pathology. This hospital with 6.577 beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the world.

Episcopal Eye, Ear and Throat Hospital.—Clinical instruction in ophthalmology, otology, rhinology, and laryngology.

Mt. Alto Hospital.—Clinical instruction in medicine and surgery is available and fourth-year students are assigned in rotation by sections for clinical clerkships.

Walter Reed General Hospital.—Clinical instruction is available in all branches of medicine and surgery. Fourth-year students are assigned in rotation by sections for clinical instruction.

ADMISSION

Ninety hours of credit applicable toward a degree in this University or another college of liberal arts and sciences are required for admission to the School of Medicine.

A credit hour represents one class hour or a minimum of two laboratory hours a week for a period of one term of approximately fifteen weeks.

SPECIFIC EDUCATIONAL REQUIREMENTS

Secondary School Requirements

Of the fifteen secondary school units required, three must be in English, two in one foreign language (ancient or modern), one in algebra, one in geometry, one in history, and one in science (biology, botany, chemistry, or physics). Eleven of the units offered must be in English, foreign language, mathematics, science, and history.

Premedical College Requirements

NINETY CREDIT HOURS

1. Chemistry, sixteen credit hours as follows: (a) eight credit hours in general inorganic chemistry of which at least four credit hours are laboratory work (qualitative analysis may be counted as general inorganic chemistry); (b) eight credit hours or a one-year college course of organic chemistry, including laboratory work.

2. Physics, eight credit hours, of which at least two credit hours are laboratory work. It is recommended that this course be preceded by one

in trigonometry.

3. Biology, eight credit hours, of which at least four credit hours are laboratory work. This requirement may be satisfied by a course of eight credit hours in either general biology or zoology, or by four credit hours each in zoology and botany, but not by botany alone.

4. English composition and literature, six credit hours: the usual introductory college course or the equivalent. The student should develop facility in speaking and writing English.

5. Modern foreign language: a reading knowledge, preferably of French or German.

6. Electives. It is recommended that the remaining credit hours required include: (a) comparative vertebrate anatomy; (b) qualitative and quantitative chemical analysis; (c) social science and psychology.

ADVANCED STANDING

A student who has satisfactorily attended one or two years at any other "class A" medical school, and who has the necessary preliminary educational requirements, may be admitted to advanced standing.

APPLICATION FOR ADMISSION

1. Full directions for application will be furnished on request. The applicant should ask the registrar of each college previously attended to send an official transcript of record to the Director of Admissions, The George Washington University. Photostatic copies of credentials without the original signature of the certifying authority are not satisfactory.

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year far exceeds its capacity, the candidate for admission should secure from the colleges attended completely compiled premedical credentials and send them for evaluation well in advance of the term for which he is applying.

4. A fee of \$3 to defray the costs of completing the records for final

consideration for admission must accompany each application.

REGISTRATION AND ADMISSION TO CLASSES

Registration in the School of Medicine is for a period of one academic year. After the student has entered the courses of instruction he is obligated for the full tuition for the academic year. No part of the tuition will be refunded upon withdrawal or dismissal for any cause. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever, in the interest of the student or the School, the Faculty deems it advisable to do so.

FEES AND FINANCIAL REGULATIONS

The following fees have been adopted:

Tuition	fee, for	r each academic year	50,00
Fee for	special	examinations, for each subject	5.00
Graduat	ion fee		20.00

PAYMENT OF FEES

Fees for each term are \$325, payable in advance.

All fees are payable at the Office of the Cashier of the University, 725 Twenty-first Street NW. Fees due must be paid at the time of registration; no student is permitted to complete registration or to attend classes until fees are paid.

On account of the many applications for admission, and as the size of each class is limited, places can be reserved only for those qualified applicants who remit a deposit of \$100 which will be credited toward the tuition of the first term. Should unusual circumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of \$50 for registration, transfer, etc., will be returned up to one month before the opening of the session.

Students will be required to pay for injury to apparatus and other University property. All breakage and loss not directly traceable to an individual student are assessed pro rata. Each student is required, at the completion of laboratory courses, to replace or pay for all articles of equipment which he has lost, broken, or destroyed. Credit for work will not be given until this is done.

COST OF TEXTBOOKS AND STUDENT EQUIPMENT

The minimum cost of necessary textbooks and student equipment (microscope, drawing materials, glass slides, clinical thermometer, stethoscope, hemocytometer, etc.) is approximately as follows: first year, \$400; second year, \$250; third year, \$90; fourth year, \$80; total, \$820.

A fee of \$1 a term is charged for the use (optional) of a locker.

LOAN FUNDS

For information concerning loan funds consult the Chairman of the Committee on Student Loans and Scholarships, The George Washington University.

LIVING ACCOMMODATIONS

Women Students.—Women students under twenty-one years of age who are enrolled for twelve or more credit hours of academic work in the University must have their residences approved by the Director of Activities for Women before their registrations can be completed. In the women's residence halls, single rooms with breakfast and dinner are \$60 and \$65 a month; double rooms, with the same service, are \$53 and \$58 a month a person. Applications for rooms should be made well in advance. Forms for application, together with detailed information, may be obtained from the Director of Activities for Women.

Men Students.—A limited number of single and double rooms are provided for men students in temporary dormitories. Residence is restricted to veterans of World War II who are enrolled for a minimum of twelve credit hours of academic work in the University. Vacancies will be filled from the list of applicants in accordance with the date of application. Single rooms are \$17 a month; double rooms are \$13 a month a person. Forms for applications for room reservation may be obtained from the Director of Activities for Men.

REGULATIONS

Students in the School of Medicine are subject to, and are expected to familiarize themselves with, the general University regulations stated in the University Catalogue.

ABSENCE

Absence is not allowed unless an excuse is obtained from the Dean or the instructor.

Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun, or leaving before either is dismissed.

Excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician and must be filed in the Office of the Dean.

For every unexcused absence a department will deduct one-half of one per cent from the student's final grade in the subject involved.

GRADES

The following grading system is used: A (90-100); B (80-89); C (75-79); D (65-74) condition; E (below 64) failure; Inc., incomplete. The passing grade in each subject is C.

A student who is conditioned in any subject will not be advanced until such condition is removed and then only by authority of the Committee on Scholarship. All conditions must be removed at the next make-up examination period provided for this purpose.

EXAMINATIONS

Examinations, which may be written, oral, or practical, will be held at the end of each term.

A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination, except by special permission of the Committee on Scholarship. For make-up examinations to remove conditions, a fee of \$5 will be charged for each subject.

All students in the School of Medicine are required to take Part I and Part II of the National Board Examinations, except that students from those states and foreign countries which do not recognize the National Board may be exempted from Part II by action of the Committee on Scholarship.

SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES

HEALTH ADMINISTRATION

Students are entitled to the health services hereinafter described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students. This service is primarily diagnostic in its intent. It also provides first aid in the event of an emergency.

Medical privileges include: (1) the physical examination of all entering students; (2) three visits by the University physician or surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during an academic year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not apply to illness or disability incurred previous to the University term or prior to payment of the University registration fee.

Students are allowed, if they so desire, to engage physicians and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself

ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) students who have severed their connection with the University are ineligible for medical benefits.

PHYSICAL EXAMINATIONS *

All first-year students are given a comprehensive physical examination by the Department of Health Administration upon admission to the School of Medicine. The students are informed of the findings and advised regarding such measures as will tend to maintain a high standard of health.

In addition medical students benefit from the complete Tuberculosis Case Finding Program which the School has maintained since 1938-39. Under this program all students receive tuberculin tests, X-ray examinations, and such special attention from chest specialists as is necessary to reduce to a minimum the dangers from tuberculosis to which medical students are believed to be subject. Students are immunized against those diseases for which proven prophylactics exist.

AWARDS AND HONOR SOCIETIES

John Ordronaux Prize.—This prize of \$70 is awarded annually to the member of the graduating class of the School of Medicine who has completed the four-year medical course with the highest scholastic standing.

William Beaumont Medical Society.—Medical students showing unusual ability are elected by the active members of this society, which was founded to encourage and stimulate individual investigation.

Howard Kane-A. F. A. King Obstetrical Society.—The fifteen students in the third and fourth year classes who maintain the highest grades in their work in obstetrics are eligible for membership.

Smith-Reed-Russell Society.—Students of the third and fourth years who maintain a scholastic average of 86 per cent are eligible for associate membership.

RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY, MEDICAL UNIT

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of the Army, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the unit.

The instruction is divided into two two-year courses, the basic and the advanced. Each course consists of 90 hours—58 hours of prescribed

[•] A charge of \$2 is made if a student fails to appear for a physical examination during the period set for this purpose.

medical instruction given by the Medical School and 32 hours of military medical instruction. Students who satisfactorily complete the basic course may, up to the quota allowed by the Department of the Army, enter the advanced course. Students in the advanced course receive, from the Government, a stipend of approximately \$700.

Students in the advanced course are required to complete the course and to attend a summer training period of six weeks,

A student who successfully completes the course is recommended for a commission in the Medical Corps Reserve, if he desires appointment. It is the policy of the Department of the Army to give preference to graduates of this course in the selection for Army internship.

MEMBERSHIP IN THE UNIT

Membership in the Unit, which is voluntary, is open to any physically fit male student who is a citizen of the United States and who is, at the time of enrollment, within the following specified age limits: under 26 years of age for the basic course, under 29 for the advanced course. For veterans of World War II, there is no age limit until January 1, 1950, for the basic course; until January 1, 1952, for the advanced course. Veterans with a minimum of six months' service receive credit for the first year of the basic course; those with a minimum of twelve months' service receive credit for both years of the basic course.

COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with the states, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington 1, D. C.

DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments: Anatomy; Anesthesiology; Bacteriology, Hygiene, and Preventive Medicine; Biochemistry; Dermatology and Syphilology; Medicine; Military Science and Tactics; Neurology and Neurological Surgery; Obstetrics and Gynecology; Ophthalmology; Oto-rhino-laryngology; Pathology; Pediatrics; Pharmacology; Physical Medicine; Physiology; Psychiatry; Radiology; Surgery; and Urology.

CLINICS

Courses of clinical instruction are included in the announcements of the clinical departments. The Dean prepares schedules of clinics and of student section assignments to the various hospitals.

THE DEGREE OF DOCTOR OF MEDICINE

Upon the satisfactory completion of the requirements of the School of Medicine, the degree of Doctor of Medicine is conferred.

REQUIREMENTS FOR THE DEGREE

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four academic years of study as a matriculated student in Medicine, completed all required courses, and passed satisfactorily all prescribed examinations.

COMBINED ARTS AND MEDICINE CURRICULUM

In order to be recommended for the degree of Bachelor of Arts, the candidate must complete at least ninety credit hours of prescribed college work (at least thirty credit hours and one year of residence must be completed in Columbian College, the senior liberal arts college), and the first year of the medical curriculum. Upon satisfactory completion of the fourth year of the medical curriculum the student becomes eligible for the degree of Doctor of Medicine.

HONORS

A candidate who has completed the four-year medical course with an average grade of A may be recommended for graduation "with distinction".

GRADUATE AND POSTGRADUATE OPPORTUNITIES

POSTGRADUATE INSTRUCTION

The School of Medicine offers annually a series of short intensive postgraduate courses, varying somewhat from year to year. The series is designed for physicians in practice. The significant advances in the various specialties are presented, together with summaries of older information. A distinguished Guest Faculty supplements the Staff of the Medical School.

The Kellogg Medical Lectures, inaugurated in 1948, are a series of evening lectures and clinics, designed primarily for physicians practicing in Washington and vicinity. They are also attended by the Faculty, postgraduate students, and members of the senior class of the School of Medicine.

During the academic year 1948-49 approximately 600 physicians were enrolled in postgraduate courses.

INTERN AND RESIDENT TRAINING PROGRAM

The George Washington University offers twenty internships which are divided into two categories of ten straight medical and ten straight surgical. All interns, regardless of the Service to which they are assigned, will be given a period of training in obstetrics and gynecology.

Accredited resident training will be offered in Anesthesiology, Medicine, Neurology, Obstetrics and Gynecology, Ophthalmology, Oral Sur-

gery, Pathology, Radiology, and Surgery.

TECHNICIAN TRAINING COURSES

ORTHOPTIC TECHNICIAN TRAINING COURSE

A six-month course, of 675 hours of clinical and classroom work, is offered for the training of orthoptic technicians by the Department of Ophthalmology.

MEDICAL TECHNOLOGISTS COURSE

The course for medical technologists consists of twelve consecutive months of didactic and practical work in all phases of clinical laboratory technique. The course meets the full requirements of the Registry of Medical Technologists and the American Society of Clinical Pathologists. Prerequisite: biology, twelve credit hours of which at least six must be zoology. The other six may be elected from: histology, embryology, anatomy, physiology, parasitology, and bacteriology. Chemistry: general inorganic chemistry, eight credit hours of which at least four credit hours must be laboratory work. Quantitative analysis: at least four credit hours with not less than one credit hour of laboratory work. (Organic chemistry may be substituted for quantitative analysis, for the present.) Electives: sufficient to give a total of 60 hours of college credit. The following courses are highly recommended but they are not required: physics, biochemistry, advanced bacteriology, and mathematics.

For application blanks and further information, address the Director of Admissions, The George Washington University, Washington 6, D. C.

COURSES OF INSTRUCTION

On the following pages of this BULLETIN, under the alphabetically arranged names of the departments of instruction, are listed the courses of instruction offered by the School of Medicine. The courses here listed are subject to some slight change. The University reserves the right to withdraw any course announced.

EXPLANATION OF COURSE NUMBERS AND SYMBOLS

The number which precedes the name of a course indicates the term of the academic year in which the course is offered. An odd number indicates that the course is offered in the fall term; an even number, that it is offered in the winter term; and a double number (e.g., 343-44), that it begins in the fall term and continues in the winter.

A number in parentheses after the name of a nonprofessional course, indicates credit hours.

First-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and fouth-year courses, from 401 to 500.

ANATOMY

Warren Andrew, Ph.D., M.D., Professor of Anatomy, Executive Officer Ross Clayton MacCardle, Ph.D. Professorial Lecturer in Anatomy Raymond Lull Zwemer, Ph.D., Professorial Lecturer in Anatomy John William Kemble, A.B., M.D., Professorial Lecturer in Anatomy Paul Calabrisi, A.M., Associate Professor of Anatomy Frederick Burgess Hartsock, M.D., Instructor in Anatomy Merton Waite, M.D., Teaching Fellow in Anatomy

- Regional dissection of the human body supplemented with lectures and quiz sections. Study of X-ray anatomy to emphasize the functional aspects of the position, shape, and relation of the viscera and skeletal components. Eighteen hours a week, fall term; nine hours a week, winter term.
 - The Staff
 The origin and development of the human body. Special emphasis
 on the value of embryology in interpreting anatomical anomalies and
 variations as seen in gross dissection, surgery, obstetrics, and pathology. Three hours a week.
 - The Staff
 The macroscopic and microscopic study of the central nervous system and the special sense organs. Emphasis on such dynamic aspects as development, pathways, lesions, etc. Six hours a week.
 - Study of the detailed minute structure of cells, tissues, and organs of the human body with emphasis on the relation of structure to function. Recognition and interpretation of histological sections tested by practical examinations. Six hours a week.
- 201-2 Seminar

 Reports and discussions of special topics by the staff and graduate students. Regular medical students are encouraged to attend. One hour a week.
- 295-96 Research
 Hours and credits to be arranged.
- 299-300 Thesis (3-3) The Staff

ANESTHESIOLOGY

- Lloyd Harvey Mousel, M.S., M.D., Professor of Anesthesiology, Executive Officer
- Donald Harrison Stubbs, A.M., M.D., Clinical Professor of Anesthesiology
- Charles Seymour Coakley, M.D., Assistant Professor of Anesthesiology Seymour Alpert, A.B., M.D., Instructor in Anesthesiology Josee Ghislaine Hoebeke, M.D., Fellow in Anesthesiology
 - 261 Anesthesiology

 Review of basic sciences and correlation between basic sciences and clinical work. One hour a week.

The Staff

- 433-34 Advanced Anesthesiology

 The Staff

 Fourth-year students are rotated through the work of the department for a period of two weeks for each student and assigned to work in operating rooms, conferences, and seminars.
 - 480 Research
 Hours to be arranged.

BACTERIOLOGY, HYGIENE, AND PREVENTIVE MEDICINE

Leland Wilbur Parr, Ph.D., Professor of Bacteriology, Executive Officer Ralph Gregory Beachley, M.D., Dr.P.H., Adjunct Professor of Public Health Practice

Angus MacIvor Griffin, Ph.D., Associate Professor of Bacteriology
Mary Louise Robbins, Ph.D., Assistant Professor of Bacteriology
Lewis Walke McIlhany, M.S., M.D., Clinical Instructor in Public
Health Practice

William Gray McCarten, B.S., Associate in Bacteriology Louis Joseph Michini, A.B., Sanders Fellow in Bacteriology Marian Elizabeth Rossi, A.B., Sanders Fellow in Bacteriology

SEMINAR LECTURERS

Charles Armstrong, B.S., M.D., Sc.D., Professorial Lecturer in Preventive Medicine

Rolla Eugene Dyer, A.B., M.D., LL.D., Professorial Lecturer in Preventive Medicine

Royd Ray Sayers, A.M., M.D., Professorial Lecturer on Industrial Hygiene

Sara Elizabeth Branham, Ph.D., M.D., Sc.D., Professorial Lecturer in Preventive Medicine

Chester Wilson Emmons, Ph.D., Professorial Lecturer on Medical Mycology

Willard Hull Wright, D.V.M., Ph.D., Professorial Lecturer on Medical Zoology

John Roderick Heller, Jr., B.S., M.D., Professorial Lecturer on Venereal Disease Control

Carl John Lauter, M.S., Professorial Lecturer on Municipal Sanitation Robert Carter Cook, Professorial Lecturer on Medical Genetics

Robert Hanna Felix, M.D., M.P.H., Professorial Lecturer on Mental Hygiene

A study of the fundamentals of bacteriology, including industrial and hygienic applications. Several groups of bacteria, yeasts, and molde are studied in the laboratory. Material fee, \$7.50. Tues., Thurs., and Sat., 9:10 to 12:00 A.M.

- Medical Microbiology (1-13)

 Bacteria, rickettsia, viruses, yeasts, molds, protozoa, and metazoa which relate to the health and diseases of man—cultural study of most important forms; methods of diagnosis by microscopic, cultural, immunologic, and animal reaction method; theory and methods of immunology; vaccines; serums; antibiotics; epidemiology and fundamentals of preventive medicine and public health practice. Open to suitably prepared graduate students; may be elected as a whole or in part, with credit allocated as follows: (a) Bacteriology, including rickettsia and viruses (7); (b) Parasitology, including medical mycology (3); (c) Immunology (1); and (d) Epidemiology and Fundamentals of Preventive Medicine and Public Health (2)—required of Pharmacy majors—Tues, 8:00 a.m. and Thurs., 9:00 a.m.
- 219–20 Advanced Microbiology Griffin and Staff
 Special study of advanced methods and current problems in microbiology for suitably qualified students specializing in microbiology.

 Prerequisite: Bacteriology 112 or 209, Chemistry 151–52 or the equivalent. Time and credits to be arranged.
- 295-96 Research in Bacteriology
 Time and credits to be arranged.

The Staff

299-300 Thesis (3-3)

The Staff

305-6 Staff Seminar (1-1)
Bi-weekly throughout the year.

The Staff

- 401-2 Public Health Practice (1-1)

 Study of public health practice at national, state, city, and county levels. Public and private agencies. Sat., 10:00 A.M.
 - 404 Industrial Hygiene (I)

 For senior medical students and qualified graduate students. Lecture course dealing with the problems of health maintenance and disease prevention and cure as affected by industry.

BIOCHEMISTRY

Joseph Hyram Roe, Ph.D., Professor of Biochemistry, Executive Officer *Arnold Kent Balls, Ph.D., Adjunct Professor of Enzymology William Henry Sebrell, Jr., M.D., Professorial Lecturer on Nutrition George Washington Irving, Jr., Ph.D., Professorial Lecturer on Proteins Carleton Raymond Treadwell, Ph.D., Associate Professor of Biochemistry

Mary Barbara Mills, M.S., Instructor in Biochemistry Norman Philip Goldstein, A.M., M.D., Instructor in Biochemistry Charlotte Mooar Damron, M.S., Teaching Fellow in Biochemistry Eugene Worthington Rice, B.S., Sanders Fellow in Biochemistry Benjamin Williams Smith, B.S., Sanders Fellow in Biochemistry

113-14 Biochemistry Roe and Staff Physiological and clinical chemistry for the first-year medical student. Two lectures and two three-hour laboratory periods a week.

221-22 Biochemistry (4-4) Treadwell A lecture and laboratory course for nonmedical students. Prerequisite: Chemistry 22 and 152. Material fee, \$12 a term. Tues. and Thurs., 9:00 to 12:00 A.M. and 1:00 to 2:00 P.M.

224 Biochemistry of the Enzymes Balls Lecture course dealing with the biochemistry of the enzymes and enzyme reactions. Prerequisite: Biochemistry 113 or 221. (Not offered in 1949-50.)

225 Biochemical Preparations The Staff Material fee, \$10. Time and credits to be arranged.

226 Biochemical Laboratory Methods The Staff Material fee, \$12. Time and credits to be arranged.

227-28 Biochemistry Seminar (1-1) Roe The current literature in the field of biochemistry, mainly for graduate students, but open to a limited number of specially qualified medical students. Fri., 4:45 P.M.

231 Proteins and Amino Acids (1) Irving A lecture course. Prerequisite: Biochemistry 114 or 222. 4:45 P.M.

295-96 Research in Biochemistry Roe, Treadwell Time and credits to be arranged.

299-300 Thesis (3-3) Roe 404 Applied Nutrition (1) Sebrell For senior medical students and graduate students. Lecture course upon dietary requirements, deficiency diseases, and therapeutic diets. Prerequisite: Biochemistry 114 or 222. Sat. 10:00 A.M.

On leave of absence 1949-50.

DERMATOLOGY AND SYPHILOLOGY

- Harry Ford Anderson, M.D., Professor of Dermatology and Syphilology, Executive Officer
- George William Creswell, A.B., M.D., Assistant Clinical Professor of Dermatology and Syphilology
- Hayden Kirby-Smith, B.S., M.D., Assistant Clinical Professor of Dermatology and Syphilology
- Theodore Claremont Chen Fong, M.D., Associate in Dermatology and Syphilology
- James Quincy Gant, Jr., M.S., M.D., Associate in Dermatology and Syphilology
- Wendell Melvin Willett, M.D., Clinical Instructor in Dermatology and Syphilology
 - 313-14 Dermatology and Syphilology

 Lectures on diseases of the skin and syphilis. One hour a week.
 - 316 Neurosyphilis

 Lectures, clinical demonstrations, and practical diagnostic and therapeutic procedures. One hour a week for eight weeks.
- 317-18 Clinic

 Case demonstrations, diagnosis, and treatment of skin diseases and syphilis. Three hours a week. Gallinger Hospital.
 - 407-8 Clinic
 Dermatology and syphilology in infants and children. Childrens Hospital. Two hours a week.
- 409-10 Clinic The Staff
 Clinical demonstration, diseases of the skin. Two hours a week.
 Emergency Hospital.
- 411-12 Clinica The Staff
 Clinical demonstrations, diseases of the skin, and diagnosis and therapy of syphilis. Two hours a week. University Hospital.
- 413-14 Clinic Creswell
 Diagnosis, laboratory procedures, and treatment of syphilis. Two
 hours a week. Southwest Health Center.

MEDICINE

Walter Andrew Bloedorn, A.M., M.D., Sc.D., Professor of Medicine Thomas McPherson Brown, A.B., M.D., Professor of Medicine, Executive Officer

Coursen Baxter Conklin, A.M., M.D., Clinical Professor of Medicine Charles Robert Lee Halley, A.B., M.D., Clinical Professor of Medicine Paul Frederick Dickens, M.D., Clinical Professor of Medicine

Harry Filmore Dowling, A.B., M.D., Clinical Professor of Medicine Benjamin Frank Miller, B.S., Chem. Eng., M.D., Clinical Professor of Medicine

Sol Katz, B.S., M.D., Adjunct Clinical Professor of Medicine Harry Eagle, A.B., M.D., Adjunct Clinical Professor of Medicine

Louis Katz Alpert, B.S., M.D., Adjunct Clinical Professor of Medicine Joseph Francis Sadusk, Jr., A.B., M.D., Adjunct Clinical Professor of Medicine

Joseph Francis Fazekas, B.S., M.D., Adjunct Clinical Professor of Medicine

Clark Harvey Yeager, M.D., Dr.P.H., Professorial Lecturer on Tropical Medicine

Norman Hawkins Topping, A.B., M.D., Professorial Lecturer on Rickettsial Diseases

Monroe James Romansky, A.B., M.D., Associate Professor of Medicine Clayton Bernard Ethridge, M.D., Associate Clinical Professor of Medicine

Walter Kendall Myers, B.S., M.D., Assistant Clinical Professor of Medicine

John Alton Reed, A.B., M.D., Assistant Clinical Professor of Medicine
Theodore Judson Abernethy, B.S., M.D., Assistant Clinical Professor
of Medicine

William Travis Gibb, A.B., M.D., Assistant Clinical Professor of Medi-

Peter Diacoumis Comanduras, M.D., M.S., Assistant Clinical Professor of Medicine

John McCallum Evans, A.B., M.D., Assistant Clinical Professor of Medicine

Roy Hertz, Ph.D., M.D., Assistant Clinical Professor of Medicine Carl Leonard Larson, B.S., M.D., Assistant Clinical Professor of Medi-

Carl Calvin Dauer, A.B., M.D., M.P.H., Assistant Clinical Professor of Medicine

Samuel Ross Taggert, M.D., Assistant Clinical Professor of Medicine Alfred Henry Lawton, M.D., Ph.D., Assistant Clinical Professor of Medicine

John Minor, A.B., M.D., Associate in Medicine Watson William Eldridge, Jr., M.D., Associate in Medicine Maurice Protas, A.B., M.D., Associate in Medicine Pearl Holly, M.S., M.D., Associate in Medicine Benjamin Manchester, M.D., Associate in Medicine Irving Wolfe Winik, M.D., Associate in Medicine Lawrence Jay Thomas, B.S., M.D., Associate in Medicine James Joseph Fesser, A.B., M.D., Associate in Medicine Lawrence Elias Putnam, A.B., M.D., Associate in Medicine John Watkins Trenis, A.B., M.D., Associate in Medicine Bernard Lauriston Hardin, Jr., A.B., M.D., Associate in Medicine Clarence Richard Hartman, A.B., M.D., Associate in Medicine Andrew Gabriel Prandoni, B.S., M.D., Associate in Medicine Charles William Ordman, A.B., M.D., Associate in Medicine Ruth Hechler Wichelhausen, M.D., Associate in Medicine Eugene Pitcher Cronkite, A.B., M.D., Associate in Medicine Albert David Kistin, A.M., M.D., Associate in Medicine Ben Calloway Jones, Jr., M.D., Associate in Medicine Richard Bernard Castell, A.B., M.D., Clinical Instructor in Medicine Luther Henry Snyder, A.B., M.D., Clinical Instructor in Medicine Emil Herbert Bauersfeld, A.B., M.D., Clinical Instructor in Medicine John Bayne Marbury, M.D., Clinical Instructor in Medicine Louis Ross, M.D., Clinical Instructor in Medicine James Theodore Burns, M.D., Clinical Instructor in Medicine Frederic Dunbar Chapman, A.B., M.D., C.M., Clinical Instructor in Medicine

Irvin Kerlan, B.S., M.D., C.P.H., Clinical Instructor in Medicine Virginia Patterson Beelar, A.B., M.D., Clinical Instructor in Medicine Myer Harold Stolar, B.S., M.D., Clinical Instructor in Medicine Alfred Brigulio, M.D., Clinical Instructor in Medicine Lester Sylvan Blumenthal, A.B., M.D., M.S. in Med., Clinical Instructor in Medicine Lester Sylvan Blumenthal, A.B., M.D., M.S. in Med., Clinical Instructor in Medicine Instructor Sylvan Blumenthal, A.B., M.D., M.S. in Med., Clinical Instructor in Medicine

structor in Medicine

Samuel Jacob Nathan Sugar, Phar.G., M.D., Clinical Instructor in Medicine

Joseph Ney, B.S., M.D., Clinical Instructor in Medicine
Henry Dunlop Ecker, B.S., M.D., Clinical Instructor in Medicine
John Wilmer Latimer, Jr., M.D., Clinical Instructor in Medicine
Mark Hummer Lepper, M.D., Clinical Instructor in Medicine
Charles Wilson Jones, A.B., M.D., Clinical Instructor in Medicine
Halla Brown, M.D., Clinical Instructor in Medicine
Frank Solomon Bacon, B.S., M.D., Clinical Instructor in Medicine
Joseph Beinstein, A.B., M.D., Clinical Instructor in Medicine
DeWitt Elmer DeLawter, M.D., Clinical Instructor in Medicine
William Frank, M.D., Clinical Instructor in Medicine

Camp Stanley Huntington, M.D., Clinical Instructor in Medicine Stanley William Kirstein, M.D., Clinical Instructor in Medicine James Walling Long, M.D., Clinical Instructor in Medicine Ralph Bretney Miller, M.D., Clinical Instructor in Medicine Alvin Victor Rouzer, B.S., M.D., Clinical Instructor in Medicine Raymond Schwartz, A.B., M.D., Clinical Instructor in Medicine Gordon Murdoch Smith, A.B., M.D., Clinical Instructor in Medicine Robert George Taylor, M.D., Clinical Instructor in Medicine Charles Waters Thompson, M.D., Clinical Instructor in Medicine Thomas Stone Sappington, A.B., M.D., Clinical Instructor in Medicine Maurice Franks, M.D., Clinical Instructor in Medicine Charles Edward Law, M.D., Clinical Instructor in Medicine Israel Kessler, M.S., M.D., Clinical Instructor in Medicine Jack Jacob Rheingold, A.B., M.D., Clinical Instructor in Medicine Francis James Murray, A.B., M.D., Clinical Instructor in Medicine Robert Lee Brickhouse, B.S., M.D., Clinical Instructor in Medicine Morris Hirsh Rosenberg, A.B., M.D., Clinical Instructor in Medicine Hyman Joseph Zimmerman, A.B., M.D., Clinical Instructor in Medicine Maurice Mensh, M.D., Clinical Instructor in Medicine Robert Norwood Coale, B.S., M.D., Clinical Instructor in Medicine Harry Clark Bates, B.S., M.D., Clinical Instructor in Medicine James Francis Ambury, B.S., M.D., Clinical Instructor in Medicine William Otis Bailey, Jr., M.D., Clinical Instructor in Medicine Edwin Pearson Parker III, B.S., M.D., Clinical Instructor in Medicine Thomas Joseph Pekin, M.D., Clinical Instructor in Medicine Andrew Joseph Brennan, M.D., Clinical Instructor in Medicine Eugene Solomon Gladsden, B.S., M.D., Clinical Instructor in Medicine Jeanne Bateman, A.B., M.D., Clinical Instructor in Medicine James Irving Boyd, M.D., Lecturer in Medicine Ruth Benedict, A.B., M.D., Teaching Fellow in Cardiology Eston Robert Caldwell, B.S., M.D., Research Fellow in Medicine Jack Kleh, A.B., M.D., Research Fellow in Cardiology Jason Geiger, A.B., M.D., Research Fellow in Pulmonary Diseases Ezra Martin Greenspan, A.B., M.D., Research Fellow in Medicine Joseph Augustine Connor, Jr., M.D., Teaching Fellow in Medicine Richard Lee Whelton, B.S., M.D., Teaching Fellow in Medicine James Packard Mann, M.D., Teaching Fellow in Pulmonary Diseases

One hour a week.

The Staff

Conferences and studies in the clinical application of laboratory examinations of blood, body fluids, exudates, and exercta. Three hours a work.

- 241-42 Physical Diagnosis

 Demonstration and practical application of the principles of physical diagnosis and the interpretation of findings in the normal and abnormal subject. Six hours a week.
- 243-44 Introduction to Medicine

 Lectures covering the principles of internal medicine preparatory to clinical studies and training on the inpatient and outpatient services. One hour a week, fall term; four hours a week, winter term.
 - 320 Medical Jurisprudence

 The Staff

 Lectures on the legal and ethical rights of physicians, and on the legal problems with which the physician comes in contact. One hour a week for sixteen weeks.
- 325-26 Clinical Clerkship

 Training with bed patients under individual instruction designed to develop ability in examination of patients and case taking as well as practice in clinical microscopy. Eight weeks.
- 327-28 Clinical Pathological Conferences I Brown, Choisser Required in the third year. Correlation of clinical and post-mortem findings: detailed case description from the clinical point of view followed by demonstrations of post-mortem findings. One hour a week.
- 339-40 Therapeutic Conferences I Staff of Medicine and Pharmacology
 Conferences designed to emphasize the application of pharmacological principles to the problems of clinical medicine. One hour a week.
- 349-50 Medical Conferences
 Three hours a week.

 The Staff
- 421-22 Out patient Clinics

 Individual case studies under personal supervision of the Staff Daily clinics on current medical problems and seminars etre ne physiological a pects of diseases. Individual examinations and instruction in medical specialties. University and Emergency hospitals.
- 427-28 Clinical Pathological Conferences II Brown, Choisser Required in the fourth year. Continuation of 327-28. One heur a week, in rotation.
- 439-40 Therapeutic Conferences II Staff of Medicine and Pharmacology Continuation of 339-42. One hour a week.

MILITARY SCIENCE AND TACTICS*

Vernon David Pettit, B.S., M.D., Lieutenant Colonel, Medical Corps, United States Army, Professor of Military Science and Tactics, Executive Officer

129-30 Basic Course, Senior Division ROTC
(First Year)

Pettit

World situation, national defense, and ROTC (3); military obligations of citizenship (1); organization of the Army (10); organization of the Medical Department (5); courtesies and customs of the Service (2); military law (4); military training (2); medical military history (1); military administration (3); examination and discussion (1).

247-48 Basic Course, Senior Division ROTC (Second Year)

Pettit

World situation, national defense, and ROTC (3); organization and employment of medical service of field army (5); duties of the surgeon (3); medical service, zone of communications (3); medical service, zone of interior (3); medical supply (3); introduction to map reading (4); health and national security (2); first aid, bandaging, and splinting (5); examination and discussion (1).

329-30 Advanced Course, Senior Division ROTC Pettit
(First Year)

World situation, national defense, and ROTC (3); military preventive medicine (20); field medicine and surgery (6); army graduate professional education program (1); army career (1); examination and discussion (1).

429-30 Advanced Course, Senior Division ROTC Pettit
(Second Year)

World situation, national defense, and ROTC (3); military preventive medicine (11); medical aspects of atomic warfare (2); medical aspects of chemical warfare (2); military psychiatry (5); personnel management (3); military medical research development (3); organized reserve corps (1); mobilization (1); examination and discussion (1).

^{*} Figures in parenthesis indicate the number of hours deveted to the subject.

\$ Students in the advanced course are selected from those who satisfactorily complete the basic course, or have one year active federal service.



Walter Freeman, Ph.D., M.D., Professor of Neurology, Executive Officer

James Winston Watts, B.S., M.D., Professor of Neurological Surgery Hyman David Shapiro, M.D., Assistant Clinical Professor of Neurology

Robert Henry Groh, B.S., M.D., Associate in Neurology Paul Chodoff, A.B., M.D., Associate in Neurology

James Peter Murphy, B.S., M.D., Associate in Neurological Surgery George Davis Weickhardt, M.D., Clinical Instructor in Neurology

Hugo Victor Rizzoli, A.B., M.D., Clinical Instructor in Neurological Surgery

Jonathan Marshall Williams, M.D., Clinical Instructor in Neurological Surgery

Oscar Legault, A.B., M.D., Clinical Instructor in Neurology

Laszlo Nandor Tauber, M.Ch., M.D., Teaching Fellow in Neurological Surgery

Luis Guildbaldo Murillo, B.S., M.D., Fellow in Neurology

- 249-50 Neurology (clective)

 Methods of study of the nervous system. Gross and microscopic preparations, embryology, comparative anatomy, stimulation and extingation, human pathology, etc. Laboratory demonstrations. One hour a week.
 - 331 Neurology Shapiro and Staff Systematic lectures with lantern slides, illustrating the chief neurologic syndromes and their anatomic bases. One hour a week.
- 333-34 Neurology and Neurological Freeman and Staff
 Surgery, Clinical Clerkship
 Instruction in history, physical examination, ordinary clinical procedures. Attendance at neurological operations. Gallinger Hospital.
 Four students in rotation, two weeks.
- 335-36 Neurological Conference

 Clinical conference one afternoon a week followed by clinicopathologic study of specimens from current necropsies. Gailineer Hospital.

 Two and one-half hours a week.
- 431-32 Neurology Clinic Freeman and Staff
 Neurological outpatient clinic. Consultation of staff on an bulatory
 cases, demonstration of diagnostic procedures, disposition of neuropsychiatric cases. Discussion of neuropathologic material. University
 Hospital. Two hours a week.
- 433-34 Neurosurgery Watts and Staff Clinical demonstrations in surgery of the brain, spinal cord, and peripheral nerves. Emphasis is laid upon fundamentals and upon the possibilities of surgery in the relief of symptoms. University and Gallinger hospitals. Section of four students, two hours a week.

OBSTETRICS AND GYNECOLOGY

John Parks, M.S., M.D., Professor of Obstetrics and Gynecology, Executive Officer

Radford Brown, M.D., Clinical Professor of Obstetrics and Gynecology Jacob Kotz, M.D., Clinical Professor of Obstetrics and Gynecology Henry Lauran Darner, A.B., M.D., Clinical Professor of Obstetrics and Gynecology

Herbert Percy Ramsey, A.B., M.D., Clinical Professor of Obstetrics and Gynecology

Robert Barter, M.D., Adjunct Clinical Professor of Obstetrics and Gynecology

George Nordlinger, A.B., M.D., Associate in Obstetrics and Gynecology Laurence Lee Cockerille, M.D., Associate in Obstetrics and Gynecology Clayton Howard Hixson, M.D., Associate in Obstetrics and Gynecology Henry John Russell McNitt, B.S. in Med., M.D., Associate in Obstetrics and Gynecology

Samuel Mayer Dodek, A.M., M.D., Associate in Obstetrics and Gynecology

Russel Jon Jansen, M.D., Associate in Obstetrics and Gynecology Howard Pope Parker, A.B., M.D., Associate in Obstetrics and Gyne-

Roger O'Donnell, Jr., A.B., M.D., Associate in Obstetrics and Gyne-

James Albert Dusbabek, M.D., Associate in Obstetrics and Gynerology Barton Winters Richwine, M.D., Associate in Obstetrics and Gynecology

Clarence Kendall Fraser, Ph.B., M.D., Associate in Obstetrics and

Neel Jack Price, B.S., M.D., Instructor in Obstetrics and Gynecology Katherine Elizabeth Parker, A.M., M.D., Clinical Instructor in Obstetrics and Gynecology

William Dandridge Terrell, Jr., M.D., Clinical Instructor in Obstetrics and Gynecology

Samuel Hazen Shea, M.D., Clinical Instructor in Obstetries and Gynecology

Julius Robert Epstein, M.D., Clinical Instructor in Obstetrics and Gynecology

Morton Selwyn Kaufman, A.B., M.D., Clinical Instructor in Obstetrics and Gynecology

Floyd Sterling Rogers, M.D., Clinical Instructor in Obstetrics and Gynecology

Rufus Martin Roll, A.B., M.D., Clinical Instructor in Obstetrics and Gynecology

Caroline Jackson, A.M., M.D., Clinical Instructor in Obstetrics and Gynecology

Jeremiah Keith Cromer, M.D., Clinical Instructor in Obstetrics and Gynecology

Jed Williams Pearson, Jr., A.B., M.D., Clinical Instructor in Obstetrics and Gynecology

Thomas Miles Leonard, Ph.B., M.D., Clinical Instructor in Obstetrics and Gynecology

William Thurston Lady, M.D., Clinical Instructor in Obstetrics and Gynecology

Albert Seymour Bright, M.D., Clinical Instructor in Obstetrics and Gynecology

Shirley Sue Martin, M.D., Clinical Instructor in Obstetrics and Gynecology

Ekrem Turan, M.D., Teaching Fellow in Obstetrics and Gynecology

54 Normal Obstetrics Fraser, Dodek Lectures and demonstrations on the physiology and management of normal pregnancy. One hour a week.

337-38 Abnormal Obstetrics Nordlinger, Parks
Lectures and demonstrations on the complications of pregnancy. One
hour a week.

343 Gynecology
Lectures and demonstrations on the principles of gynecology. One hour a week.

344 Marriage and Marital Problems Ramsey, Nordlinger A course of instruction in marriage counseling and planned parent-lood. One hour a week.

348 Female Endocrinology and Operative Kotz, Darner Gynecology
Lectures on the physiology and pathology of the female endocrine system and on principles of cynecological surgery. One Lour a week.

401-2 Manikin Demonstrations

The mechanism of labor and various types of operative delivery demonstrated to sections of the class in weekly sessions.

441-42 Clinical Obstetrics
Senior students participate in prenatal and postmatal clinic care, make postmatum home calls; observe the course of hos and deliver patients under supervision; attend biweekly departmental conferences and daily ward rounds in the University, Gallinger, and Garneld hospitals.

443-44 Clinical Gynecology
Senior students observe and participate in the gynecological work of clinics, operating rooms, and gynecological services of the University and Gallinger hospitals.

OPHTHALMOLOGY

Ernest Alfred Watson Sheppard, M.D., C.M., Professor of Ophthalmology, Executive Officer

Ronald Armore Cox, A.B., M.D., Assistant Clinical Professor of Ophthalmology

Frank Duncan Costenbader, B.S., M.D., Assistant Clinical Professor of Ophthalmology

Richard Wallace Wilkinson, M.S., M.D., Associate in Ophthalmology Sterling Bockoven, M.D., Associate in Ophthalmology

Walter Joseph Romejko, M.D., Clinical Instructor in Ophthalmology Carmon Robert Naples, B.S., M.D., Clinical Instructor in Ophthalmology

Micollius Noel Stow, M.D., D.M.S., Clinical Instructor in Ophthalmology

James Spencer Dryden, M.D., Clinical Instructor in Ophthalmology William Paxson Chalfant, Jr., M.D., Clinical Instructor in Ophthalmology

William Joseph Graham Davis, A.B., M.D., Clinical Instructor in Ophthalmology

William Henry Hanna, A.B., M.D., Clinical Instructor in Ophthal-

351-52 Ophthalmology

A lecture course presenting the principles of ophthalmology, with special reference to topics of importance to the general practitioner. One hour a week for sixteen weeks.

447 Clinic
The Staff
Intensive training in diseases of the eye: etiology, diagnosis, and treatment in their application to clinical cases. University Hospital. Three hours twice a week.

OTO-RHINO-LARYNGOLOGY

Daniel Bruce Moffett, A.B., M.D., Professor of Oto-rhino-laryngology, Executive Officer

William Herndon Jenkins, M.D., Clinical Professor of Oto-rhino-laryngology

Leroy Lee Sawyer, A.B., M.D., Assistant Clinical Professor of Otorhino-laryngology

David Davis, A.B., M.D., Associate in Oto-rhino-laryngology

Aubrey David Fischer, M.D., Associate in Oto-rhino-laryngology

Joel Norton Novick, M.S., M.D., Clinical Instructor in Oto-rhinolaryngology

John Gordon Bell, M.D., Clinical Instructor in Oto-rhino-laryngology Catharine Birch, A.B., M.D., Clinical Instructor in Oto-rhino-laryngology

Homer King Vann, A.B., M.D., Clinical Instructor in Oto-rhino-laryngology

James Jerry McFarland, Jr., B.S., M.D., Clinical Instructor in Otorhino-laryngology

- 451 Oto-rhino-laryngology Moffett, Jenkins Lectures and demonstrations on anatomy, physiology, and diseases of the ear, nose, and throat. One hour a week.
- A series of lectures on the fundamental principles and the use of instruments, including both the bronchoscope and esophagoscope. One hour a week for two weeks.
- 456 Clinic

 Practical clinical instruction in the diagnosis and treatment of diseases of the ear, nose, and throat. University Hospital. One and one-half hours twice a week.

PATHOLOGY

Roger Morrison Choisser, B.S., M.D., Professor of Pathology, Executive Officer

Thomas Martin Peery, A.B., M.D., Associate Professor of Pathology Carl Hunt Wells, B.S., M.D., Associate Professor of Pathology Robert Pelley Hill, B.S., M.D., Assistant Professor of Pathology William John Schewe, A.B., B.S. in Med., M.D., Instructor in Pathology Robert Rice Montgomery, A.B., M.D., Teaching Fellow in Pathology Frederick Shillinger, B.S., M.D., Teaching Fellow in Pathology Max Stephen Millar, M.D., Teaching Fellow in Pathology

SEMINAR LECTURERS

Elson Bowman Helwig, B.S., M.D., Professorial Lecturer in Pathology Hans Frank Smetana, M.D., Professorial Lecturer in Pathology Henry Rappaport, M.D., Professorial Lecturer in Pathology James Earle Ash, Jr., M.D., Professorial Lecturer in Pathology

- 259-60 Pathology

 Malternations, inflammations, degenerations, and neoplasms; special pathology of the oreans and specific diseases. The laboratory work consists of the cross and microscopic study of diseased tissues. Necropsies are held regularly at the University and Gallinger hospitals.
 - 307 Necropsy (elective)

 Students assist in the performance of necropsies. Fresh gross specimens and microscopic sections from each case are presented at weekly conferences. Current literature relating to cases is reviewed and presented by the students.
- 327-28 Clinical Pathological Conference Choisser, Brown Required in the third and fourth years. Case histories are presented and discussed by members of the staff and student body; necropsy and clinical findings are compared, and gross and microscopic specimens examined. One hour a week.
 - 460 Research Hours and credits to be arranged.

Choisser

PEDIATRICS

Preston Alexander McLendon, B.S., M.D., Professor of Pediatrics, Executive Officer

Margaret Mary Nicholson, A.B., M.D., Clinical Professor of Pediatrics Edward Lewis, M.D., Clinical Professor of Pediatrics

William Staton Anderson, A.B., M.D., Clinical Professor of Pediatrics Lewis Kaigler Sweet, A.B., M.D., Adjunct Clinical Professor of Pediatrics

Mabel Harlakenden Grosvenor, A.B., M.D., Assistant Clinical Professor of Pediatrics

John Augustine Washington, A.B., B.S., M.D., Assistant Clinical Professor of Pediatrics

Aaron Nimetz, A.B., M.D., Assistant Clinical Professor of Pediatrics Dorothy Steinle Jaeger, M.D., Assistant Clinical Professor of Pediatrics George Maksim, M.D., M.S. in Ped., Assistant Clinical Professor of Pediatrics

Reginald Spencer Lourie, M.D., Associate in Pediatrics
Henry Harcus Work, A.B., M.D., Associate in Pediatrics
John Howell Peacock, B.S., M.D., Clinical Instructor in Pediatrics
Herbert Harold Diamond, M.D., Clinical Instructor in Pediatrics
Frederic Gerard Burke, B.S., M.D., Clinical Instructor in Pediatrics
Reginald Henry Mitchell, M.D., Clinical Instructor in Pediatrics
Maynard Irving Cohen, A.B., M.D., Clinical Instructor in Pediatrics
William Allen Howard, A.B., M.D., Clinical Instructor in Pediatrics
Mary Katherine Laurence Sartwell, A.B., M.D., Clinical Instructor in
Pediatrics

Sidney Ross, M.D., Clinical Instructor in Pediatrics
Charles Frederick Stiegler, A.B., M.D., Clinical Instructor in Pediatrics
Allan Bertram Coleman, M.D., Teaching Fellow in Pediatrics
Mortimer James Folston, A.B., M.D., Teaching Fellow in Pediatrics
Leroy Edward Hoeck, M.D., Research Fellow in Pediatrics
Samuel Bessman, M.D., Fellow in Pediatrics

255-56 Pediatrics

Lectures on physiology of the newborn, development, infant nutrition, diseases of the newborn, common anomalies and system illnesses of childhood. Gallinger Municipal Hospital. One hour weekly.

357-58 Clinical Clerkship—General Nicholson and Staff
Pediatrics
General pediatric diseases and the newborn Emphasis on history

General pediatric diseases and the newborn. Emphasis on history taking and physical examination. Daily ward rounds. Gallinger Municipal Hospital. Five students in rotation, two weeks.

359-60 Clinical Clerkship—Contagious Grosvenor and Staff Diseases

Preventive and quarantine measures. Daily ward rounds and conferences. Gallinger Municipal Hospital. Five students in rotation, two weeks.

- 361-62 Clinical Conference McLendon and Staff
 Required in third year. Presentation and discussion of current patient
 problems. Gallinger Municipal Hospital. One hour weekly.
- 457-58 Clinical Clerkship McLendon and Staff
 Full time including a signment to night and holiday admissions, Case
 studies on wards under direct Resident supervision. Ward rounds
 with Staff and Residents. Childrens Hospital. Ten students, four
 weeks.
- 459-60 Outpatient Clinics Washington and Staff Work in Medical and Specialty clinics including surgery, allergy, X-ray, child welfare, cardiology, dermatology, neurology, and child guidance. Childrens Hospital.
- 461-62 Clinico-pathological Conference McLendon and Staff Clinical and pathological discussion of recent patient history and laboratory data. Childrens Hospital.
- 463-64 Group Conferences McLendon and Staff Discussion of clinical problems of diagnosis and treatment of current patients. Childrens Hospital. Twice weekly.

PHARMACOLOGY

- Paul Kenneth Smith, Ph.D., Professor of Pharmacology, Executive Officer
- Erwin Ellis Nelson, M.D., Ph.D., Adjunct Clinical Professor of Pharmacology
- Aldo Peter Truant, A.B., Instructor in Pharmacology
- Celia White Tabor, A.B., M.D., Research Associate in Pharmacology Zelma Baker Miller, Ph.D., Research Associate in Pharmacology
- Jean Mayer, Ph.D., Research Associate in Pharmacology
 - 261 Pharmacology
 Lectures and conferences concerning the interaction of drugs and biological systems as a basis for the rational therapy of disease. Five hours a week.
 - 263 Pharmacology Laboratory
 Laboratory instruction and demonstrations designed to complement the above course. Five hours a week.
 - 265 Chemotherapy

 Five lectures a week for three weeks. Designed for graduate students.
- 361-62 Pharmacological Research
 Primarily for those properly qualified graduate and medical students seeking careers in pharmacology. Hours and credits to be arranged.
- 363-64 Pharmacology Seminar (1-1)

 Recent advances in pharmacology. For those interested in pharmacological research. Two hours a week.
- 369-70 Clinical Pharmacology

 Discussions of the pharmacological basis of therapeutics. One hour a week.
- 479-80 Special Methods in Research
 A course to familiarize the student with advanced chemical and physiological methods employed in pharmacological investigations. Hours and credits to be arranged.

PHYSICAL MEDICINE

- Charles Samuel Wise, B.S., M.D., Associate Professor of Physical Medicine, Executive Officer
 - , Associate in Physical Medicine
 - Lectures and demonstrations of the various tests and measurements employed in evaluation of physical disability. Emphasis is placed on normal and abnormal peripheral nerve testing (electrodiagnosis), muscle testing, joint range and other physical disability measurements.
- 351-52 Advanced Physical Medicine

 Lectures and demonstrations concerning the various techniques, clinical applications of physical medicine, and rehabilitation to be integrated with the teaching of the associated medical and surgical special ties.
- 467-68 Clinical Studies

 Clinical teaching and demonstration at the University Hospital.
 - 485 Research
 Hours to be arranged.
 The Staff

PHYSIOLOGY

Errett Cyril Albritton, A.B., M.D., Professor of Physiology, Executive Officer

Chester Elwood Leese, Ph.D., Professor of Physiology Abraham Dury, Ph.D., Assistant Professor of Physiology Hyman Erwin Steinman, M.D., Teaching Fellow in Physiology

- Leese and Staff
 Lectures for academic students covering the fundamentals of physiology in its various subdivisions. Prerequisites: one very of ceneral science or one term of a biological science. Section A: Tues., Phurs., and Sat., 9:10 A.M.; section B: Tues. and Thurs., 5:10 to 6:25 P.M.
- Lab ratory exercises in the fundamentals of physiology, for academic students. Prerequisite or concurrent registration: Physiology 115 or the equivalent. Material fee, \$12. Sat., 10 10 A.M. to 100 P.M.
- 120 Physiology of Endocrine Activity (2)

 The circulatory, metabolic, reproductive, growth, and other adaptations, immediate and long term, accompanying and affecting endocrine activity. May be taken for two credits with additional work. Prerequisite: Physiology 115 or the equivalent. Tues. and Thurs., 5:10 p.m.
- 130 The Psycho-physiology of Personality (2) Leese Lectures on the genesis and expression or personality, with emphasis on the physiological approach. Prerequisite: Physiology 115 or the equivalent and general psychology. Tues. and Thurs., 6:10 p.m.
- One hundred physiological lectures and one hundred thirty laboratory bours devoted to the major divisions of the subject. For Medical
- 159-60 Experimental Method (1-1)

 Design of controlled experiments in medical or biological investigation: errors in design; criticism and judgment of evidence, and tests of the statistical significance of experimental results. Sat., 12:00 to
- 169-70 Problems in Physiology
 Hours and credits to be arranged.

 Albritton and Staff
- 179-80 Physiology Seminar (1-1)
 Weekly throughout the year.

 The Staff
 - 231 Advanced Physiology of Albritton and Staff Circulation and Respiration (2)
 Lectures on blood, heart, circulation, respiration, and acid-base balance. Two hours a week, to be arranged.

- 234 Advanced Physiology of Nutrition,
 Metabolism, and Excretion (2)
 Lectures on nutrition, digestion, metabolism, excretion, temperature regulation, and water balance. Two hours a week, to be arranged.
- 236 Advanced Physiology of the Endocrine Dury and Staff Glands and Reproduction (1)

 Lectures on ductless glands, hormones, humoral agents, and reproduction. One hour a week, to be arranged.
- 238 Advanced Physiology of the Neuro- Leese and Staff Muscular System (2)
 Lectures on sensory reception, central nervous processes, somatic and visceral motor activity, and the behavior of smooth and striped muscle. Two hours a week, to be arranged.
- 240 Advanced Experimental Physiology (3) The Staff Laboratory work only. Correlated with the lectures in courses 231-238. Material fee, \$25. Nine hours a week, to be arranged.
- 295-96 Research
 Hours and credits to be arranged.

 Albritton, Leese, and Staff

299-300 Thesis (3-3)

Albritton, Leese

PSYCHIATRY

Winfred Overholser, A.B., M.D., Sc.D., Professor of Psychiatry, Executive Officer

Roscoe Willis Hall, Ph.B., M.D., Clinical Professor of Psychiatry
Solomon Katzenelbogen, M.D., Clinical Professor of Psychiatry
Addison McGuire Duval, M.D., Clinical Professor of Psychiatry
Sidney Berman, B.S., M.D., Assistant Clinical Professor of Psychiatry
Morris Kleinerman, Ch.D., M.B., Assistant Clinical Professor of Psychiatry

Harriet Elizabeth Twombly, A.B., M.D., Associate in Psychiatry
Samuel Alexander Silk, Phar.G., M.D., Associate in Psychiatry
Edgar Deucher Griffin, A.B., M.D., Associate in Psychiatry
Isabelle Kendig, Ph.D., Associate in Psychiatry
Henry Prather Laughlin, B.S., M.D., Associate in Psychiatry
Marshall deGraffenried Ruffin, B.S., M.D., Associate in Psychiatry
William Green Cushard, M.D., Clinical Instructor in Psychiatry

- 165 Dynamics of Personality Development

 An orientation course in the anatomical, physiological, and psychological growth and development of personality. Consideration of characteristics of structure, function, and development of the psychological to normal behavior as a basis for the study of the pathological. Evaluation of interpersonal relationships. One hour a week.
- 178 Psychopathology

 Manifestations and understanding of various mental mechanisms and abnormal reaction-types, preceded by history of devel practices psychopathology and illustrated with case material. One hour a week
- 266 Psychiatry
 History, etiology, symptoms, course, and treatment of the nation psychoses with emphasis on the dynamics involving the person as a whole. One hour a week.
- 268 Demonstration Clinics

 Presentation of clinical cases of major mental illnesses and primary behavior disturbances, correlating with Psychiatry 265. Each student examines patients under supervision. Three hours a week. St. Elizabeths Hospital.
- 271 Psychosomatic Aspects of General Katzenelbogen Medicine
 Somatic disorder, of functional origin versus organic structural discords. The role of personality reactions in somatic disorders (illustrative cases). One hour a week.

- 324 Psychoneurosis

 Etiology, psychopathology, clinical aspects, and treatment of various types of psychoneuroses. One hour a week for twelve weeks. Medical Conference Room, Gallinger Hospital.
- 326 Psychological Techniques in Psychiatric Kendig Practice

 Discussion of psychological concepts and tools available for determination of intellectual level, personality structure, functional impairment, and organic deterioration. One hour a week for four weeks. Medical Conference Room, Gallinger Hospital.
- 331-32 Clinical Clerkship
 Under supervision, each student conducts mental and physical examinations of patients, works up and presents his cases for discussion and conclusion. Two-week assignments by section. Gallinger Hospital.
- 431-32 Clinical Clerkship Duval, Kleinerman, Laughlin, Ruffin Supervised examination, diagnosis, and treatment of ambulatory borderline cases. Conferences for discussion of cases. Clinical application of psychiatric principles to general medical practice is stressed. Three hours twice weekly, in rotation. University Hospital Outpatient Psychiatric Clinic.

RADIOLOGY

- William Stanbro, M.D., Associate Professor of Radiology, Executive Officer Solomon Rodney Bersack, M.D., Associate in Radiology
 - 213 Basic Radiology
 Orientation lectures in X-ray physics.

 The Staff
 - 341-42 Radiological Diagnosis

 The Staff
 Lectures in conjunction with the course in Physical Diagnosis.
 - 358 Advanced Radiological Diagnosis The Staff
 Lectures and discussions.
 - 449 Clinical Studies

 Students assigned in rotation on a full-time basis for a specific period to the X-ray Department.
 - 478 Research
 Hours to be arranged.

SURGERY

Brian Blades, A.B., M.D., Professor of Surgery, Executive Officer Daniel LeRay Borden, A.M., M.D., Clinical Professor of Surgery Paul Stirling Putzki, M.D., Clinical Professor of Surgery Arch Lockhart Riddick, B.S., M.D., Clinical Professor of Surgery William Berry Marbury, M.D., Clinical Professor of Surgery Custis Lee Hall, M.D., Clinical Professor of Surgery John Hugh Lyons, M.S., M.D., Clinical Professor of Surgery Frank Errett Hamilton, A.B., M.D., M.S., Adjunct Clinical Professor of Surgery

Paul Budd Magnuson, M.D., Adjunct Clinical Professor of Surgery John Gordon Lee, A.B., M.D., C.M., Sc.D., Adjunct Clinical Professor of Medicine

Wallace Harry Graham, B.S., M.D., Professorial Lecturer in Surgery

Herbert Hermann Schoenfeld, M.D., Associate Clinical Professor of
Surgery

William Warren Sager, M.S., M.D., Associate Clinical Professor of Surgery

Benjamin Franklin Dean, Jr., M.S., M.D., Assistant Clinical Professor

Alec Horwitz, M.S., M.D., Assistant Clinical Professor of Surgery William Stanley McCune, A.B., M.D., Assistant Clinical Professor of Surgery

Vincent Michael Iovine, B.S., M.D., Assistant Clinical Professor of Surgery

Carl Berg, M.D., Assistant Clinical Professor of Orthopedic Surgery Calvin Trexler Klopp, A.B., M.D., Assistant Clinical Professor of Surgery

Julius Salem Neviaser, A.B., M.D., Assistant Clinical Professor of Orthopedic Surgery

Jerome Blaine Harrell, M.D., Assistant Clinical Professor of Surgery Leonard Theodore Peterson, A.B., B.S., M.D., Assistant Clinical Professor of Orthopedic Surgery

Richard Knight Thompson, D.D.S., Associate in Dental Surgery
William Ross Morris, M.D., Associate in Surgery
Harold Walter Krogh, D.D.S., Associate in Dental Surgery
Jacob Joseph Weinstein, B.S., Phar.G., M.D., Associate in Surgery
William Carey Meloy, M.D., M.S. in Med., Associate in Surgery
Edward Alexander Cafritz, M.D., Associate in Surgery
Edward James Beattie, M.D., Associate in Surgery
Hazen Eugene Cole, B.S., M.D., Clinical Instructor in Surgery

Crenshaw Douglas Briggs, B.S., M.D., Clinical Instructor in Surgery
William Wiley Chase, A.B., M.D., Clinical Instructor in Surgery
Arthur James Mourot, B.S., M.D., Clinical Instructor in Surgery
Joseph Francis Conlon, D.D.S., Clinical Instructor in Dental Surgery
Otto Anderson Engh, A.B., M.D., Clinical Instructor in Surgery
Duane Case Richtmeyer, A.B., M.D., Clinical Instructor in Surgery
Richard Lee Jackson, M.D., Clinical Instructor in Surgery
Leon Gerber, M.D., Clinical Instructor in Surgery
Walter Henry Gerwig, Jr., A.B., M.D., Clinical Instructor in Surgery
Thomas Bradley, A.B., M.D., Clinical Instructor in Surgery
Lloyd Burk, Jr., M.D., Clinical Instructor in Surgery
Ernest Alva Gould, M.D., Clinical Instructor in Surgery
Austin Bertram Rohrbaugh, Jr., M.D., Clinical Instructor in Orthopedic Surgery
Howard Clemeth Pierpont, A.B., M.D., C.M., Fellow in Surgery

- 279-80 General Surgery

 Course of lectures and recitations covering surgical diseases of the nesk and chest, herniac, amputations, and pre- and post-operative treatment. One hour a week for twenty-eight weeks.
 - A clinical and laboratory course covering the fundamentals of surgery, including studies in inflammation, wound healing, etc. One hour laboratory and one hour in the clinics.
- 371-72 General Surgery

 Richtmeyer, Riddick

 Course of lectures and recitations covering surgery as applied to the
 neck, thorax, gastro-intestinal tract, and the bones and skeletal
 muscles. One hour a week.
- 373-74 Ward Walks

 Well-organized group ward-rounds are made with the visiting physicians and their respective staffs in the course of their usual rounds.

 Gallinger Hospital.
- 375-76 Surgical Clinic

 Clinical teaching and demonstrations on the care of the various surgical diseases, with special emphasis on the pre- and post-operative management. Gallinger Hospital.
- 379-80 Surgical Staff Conference
 Gallinger Hospital. Weekly.

 The Staff
- 381-82 Glinical Clerkship

 The Staff
 The student is assigned and required to work up thoroughly the cases for diagnosis and treatment
 Gallinger Hospital.
- 473-74 Clinical Clerkships

 Available at the University Hospital, Walter Reed General Paperships and Mt. Alto Hospital.

- 478 Orthopedics

 Etiology, pathology, symptomatology, and treatment of congenital and acquired diseases of the bones and joints, and the clinical instruction in treatment and in the use of appliances for the correction of deformities. One hour a week.
- 481 General Surgery One hour a week.

Blades

- Dispensary Clinic

 Dispensary instruction in the principles and practice of surgery. Instruction of small groups is given in general surgery and the specialties, including anesthesia, neurosurgery, orthopedies, proctology, and oral surgery. University and Emergency hospitals.
- 485-86 Special Problems in Surgery Riddick, Dean General surgical diagnosis, with special emphasis on the diagnosis and differential diagnosis of surgical diseases and post-operative complications. One hour a week.
 - 488 Surgical Clinic

 Demonstration to the entire class of the various surgical diseases. One hour a week.
 - 489 Surgical Anatomy One hour a week.

Horwitz

- 491-92 Surgical Pathology

 The senior class in groups of ten may attend the meeting of the Tumor Board of the Staff of Walter Reed Hospital and the Warwick Clinic. Patients with all types of neoplasms are demonstrated and gross and microscopic studies of various neoplasms are shown.

 Three hours a week.
- 493-94 Surgical Diseases of the Chest Blades and Staff

Patients with various diseases of the chest, including diseases of the lung, mediastinal, and esophagus are presented. The cases are followed from week to week and operative specimens and microscopic sections are demonstrated. Walter Reed Hospital. Three hours a week.

UROLOGY

Frederick A. Reuter, M.D., Professor of Urology, Executive Officer Thomas Carlton Thompson, B.S., M.D., Clinical Professor of Urology Gilbert Ottenberg, A.M., M.D., Associate in Urology William Dabney Jarman, B.S., M.D., Clinical Instructor in Urology Edward Egner Ferguson, M.D., Clinical Instructor in Urology Leon Richard Culbertson, B.S., M.D., Clinical Instructor in Urology

- 395-96 Clinics

 Clinical teaching and demonstrations on the care of urological cases with special emphasis on the pre- and post-operative management. Operative clinics and clinical teaching. Gallinger Hospital.
- 491-92 Urology

 Lectures covering the entire field of urology including diagnosis, treatment, and morbid pathology. One hour a week.
- 495-96 Clinics

 Clinical demonstrations and teaching in the Outpatient Department, with special attention given to diagnostic procedures. Emergency and University hospitals. One part of each section daily.

DEGREES CONFERRED

DOCTOR OF MEDICINE

MAY 26, 1948

Ackerman, Joseph Laurence	D.	2 1 20 1 1 1	
Alther, Bentumin Lester	Del		1.
Arn ld, McAlpin Hill	Md		on
A B. 1945. The George Washingto	Ga	. University	
	n	Jenkins, Thomas Rodgers, Jr.,	M
Ballard, Edwin Robert Te	45. 1	B.S. 1944, Franklin and Marshall	
	Wash.	. College	
		Kennelly, John McRae, Jr.	Ore
A B. 1945. The George Washington	DC.		
	n	Kester, Beryl Conklin	D(
Belton, R. bert Reid	0	Kicherer, Harry Jay	Vi
A D. IGAE Williamses II.	Oreg.		Aria
		Kisduchak, Joseph Thomas	Wash
ot. D. 1941), the Greaten Washings	Md.	D S. 1945. Will muste University	
	on	Mauer, William Jerome Jr	Fla
Bruckbank Wells France		B S. 1947, University of Florida	
Dickbank, Wallage Read	Utah	Languell Kenerr Duna	Calif
D. S. 1644 Real year V 22 .	Utah	Leaman, Thomas Leed	Pa
Buckler, Arthur Stadley	sity	Lee, Robert Yoon Sung	Hawai
dappell (tyring I ha	N.J.	A.B. 1944, Cornell University	
Cidia II. mer Hite	Pa.	Lucas, Jean Pitner	Miss
D. J. 1944 Bruham Vouss I'.	Utah	A.B 1044, B.S. 1945, University o	[
		Mississippi	
B 1466 H. mol- C. 1 (24)	Vd.	Lucas, John Chitton, Jr.	M145.
		BS 1945. University of Washington	Wash.
	492155	D 5 1945. University of Washington	
		Marano, Matthew Joseph	N.J
18 D 1944, Catholic University	Commi	(With distinction)	
		A.B. 1945. Columbia University	
Daines, Newel George, Jr.	Utah	McFall, Creed Flannary, Jr.	D.C.
Ardeniev, territor to the T	Md.	A.B. 1945. The George Washington	
		0 6.1 13 13	
	1. 1.	Milan Ponce, Ramon Puerto	o Rico
Detler, Patrick Chester, Jr.	Calif	Miller, Frank Velson, Jr.	D.C.
Exemply, I for filling from a new	Calif.	(With distinction)	
A B 1943. Stanford University	Carry.	BS, 1941. The George Washington	
	Va.	University National Vashington	_
4 LTI, LINES LAFE LAND	Calif	Nelson, Bertle	DC.
A B 1946. Stanford University		A.B. 1945. The George Washington University	
Floren, Clarde Gerdon Leh, Vater Herry	Wash.	Nuttall, Rebert Bestick	
Franc Charles IV	D.C.	Ostrow, Bernard II ward	V. V.
Evans, Charles Dudley Ir	W.Va.	(With distinction)	Md.
B.S. 1945, M. 19 Lann College		A.B 1044, Momi University	
	D.C	Peery, James Brown	0.00
A.B 1948. The George Washington	1	Plunkett, Edmund Robert	SC
orbes Peter Ruy		BS 1944. Cellege of William and	DC.
AB 1915 The Course We see	Calif.	Mary . Critere of William and	
A.B. 1945. The George Washington		Post, Lawrence A.	8117*
rew. Det ald Henry In		B.S. 1047 University of Wissensin	Wis.
P. S. Italia Vin Promise	D.C.	Prichard, John Elmer	DC.
il ver Sard Fly beth		Quigley, Thomas Albert, Ir	
r d. Prederica II. a	Va.	A.B. 1943. University of Mississippi	Miss.
1 1 1 1 (Inchain Caller	Ohio		C-11
I I I I I I I I I I I I I I I I I I I		A.B. 1948. Fresh State College	Calif.
A D Chill Same of Case	D.C.	Avor, Flaroid Delication	Minn.
		B.S. 1946. University of South	seems.
A.B. 1946. The George Washington	Va.	Dakota	
		St. John Nicholas E.	
orrown, Bernard Arnold	DA	Ph.B. 1931, Yale University J.D. 1935, New York University Sancher-Means I vio To	Conn
Circuit, Par Arat Marris	D.C.	J.D. 1935, New York Linversity	
3 B 1915. A tuch C. Maga	N.J.		Die
Mister, James Kleiser, Jr	Calif	B.S. 1943, University of Puerts	141(()
,	Cami	Rico	

Segal, Jack Phillip (With distruction)	D.C.	Thaw, Benjamin Dows Matura 1941, Freies Gymnasium,	Pa.
Shanahan, Kathleen Eva	Md.	Zurich, Switzerland	
BS, 1941, University of Maryland		Thomas, John Beet n A.B. 1947, LaFayette College	Del.
Soyster, Eliza Shumaker (With distinction)	D.C.	Thomas, Talmage Maiben	Utah
A.B. 1944, Smith College		A.B. 1942, Brigham Young Universit	y
Soyster, Peter	Calif.	Throckmorton, Neville Inskeep, Jr. Warner, Glenn Allyn	Calif. Wash.
Speaker, Richard B.	D.C.	Warner, Gienn Allyn Warberg, Joseph David	N. A.
A.B. 1945, The George Washington		Weber, Charles John, Ir,	Ga.
University		Whitmoyer, Robert Ellwood	Pa.
Taylor, Clayton B.	Calif.	Woo Joseph Clarence Ir	Calif

STUDENTS REGISTERED IN THE SCHOOL OF MEDICINE

1948-49

A		Bowler, John Andrew, Jr. (11)	D.0
Abraham, Abe Samuel (III)	Calif.	B.S. 1948. The George Washington	
B.S. 1938, Westminister College	Cutit.	University	
Araujo-Vidal, Juan (II) Pire	rto Rico	Boyd, Thompson Harmes (IV)	II
B.S. 1940, University of Puerto		B.S. 1946, University of Oklahoma	
Kieo		Boyer, Del s White (111)	1).(
Atchison, Joseph Lave (IV)	Va.	Bradley, John Grever (II)	Nev
Avery, John Lawrence (III)	DC	Brady, Neal Caldwell (II)	Cali
D. S. 1917. I Diversity of Missley	1	B.S. 1917. Western Reserve Univers	
M. J. 1949. The George Washington)	Briwner, Edgar Newlon, Jr. (II)	Me
C Biversity		Breeding, R bert Burton (II)	Va
Aye, Ralph Claxton (III)	Va.	BS. 1944. University of Kentucky	
M.S. 1941. Northwestern University	7	Brennan, Rebert James (I)	Va.
		Brewer, R. bert George (1)	D.C
В		AB 1948, Hamilton College	
Baird, Glenn Dean (IV)		Bristow, John Wesley (III)	Calif
RS trent Dean (IV)	D.C.	Broadstreet, Henry Thomas, Jr. (III)	Fla
B.S. 1944, University of Oregon		15 S. 1945, University of Florida	
Ballard, Derothy Anne (II)	Wash.	Brooks, Harrison Merton, Jr (III)	N.Y
A.B 1944. Whitman College Band, Philip Theodore (IV)	*	B S. 1940, Wheaton College, Ill.	
AR 1 (The Carte (11)	DC.	Brownson, Robert Henry (1)	1.3
A.B. 1945. The George Washington		B.S. 1048, John Carroll University	_
Baref & t. Julius Jackson (III)	2: (1	Bruce, Clayton Roy (III)	D.C
Barcial Very Valle (III)	N.C.	B.S. 1946, University of Pittsburgh	
Barefact, Verna Young (III) BS 1938, University of Cincinnati	76.	Bruce, James Crawford (11)	DC
M.S. 1945. Un versity of Chicago		Burns, James Patrick, Jr. (IV)	D.C.
Barda, Timethy George (III)	3134		
Barmott, Jeanne Frances (II)	11.	C	
BS 1947, Pennsylvania State College	DC.	C D 155	
Barnett, Helen M.C nnell (III)		Carnes, Raymond Eugene (III)	Md.
AB 1947. The George Washington	Va.	A B. 1947. The George Washington	
University Ceorge Washington		University	
Barnett, R bert Alexander (I)	1.0	Carr. Ge rije Lafavette (I)	Ga
Barr, Loseph Frederick (II)	DC.	Chapman, James Flist (IV)	D)(,
Barrison, Will om John, Jr. (II)	.].	Cline, Joe Edward (1)	Ind
BS 1940, Pennsylvania State	Pa.	BS 1948. Botler University	
Tea hers College, East		Clinkston, Philip (1)	Mich
Str ul burg		BS 1942, University of Michigan	
Beatty, Harry Bartton (H)	n a	M S 1948. The George Washington	
A.B. 1948. The George Washington	D.C.	e minerally.	
		Claff, Lewistin Eggertsen (IV)	DC.
Bell my Br. c Ber (1)	9.	C. Len, George Leel (III)	DC.
Beres's m R ger Heiner (I)	Va.	Cohen, June Rae (IV)	1)(
Berx w. Mert is Decald (IV)	Vil	B.S. 1945. The George Washington University	
B.S. 1946, Franklin and Marshall	DC.	University	
		Cole, benwak Farl (I)	DC
Berrabe Prida, Rafael Antonio (I) Puert	** .	Colo R lph I ba (II)	1.
Berry, R bert Haby (II)	o Kica	AB 1945. The George Washington	
Bessman, Mice Neuman (IV)	(10	Lintersity	
AB 1912 Sout College	.) .	Connor, Andrey Marie (III) A B 1945, Trianty College	DC
Birder, Simiel St. m (IV)	23	AB 1945, Trimity Cillege	
AB 1945. Marctta College	Pa.	Cont. r. Joseph Dariel (III)	D.C.
AB 1948, Maretta College Blar, Thomas Calvan (II)	DO	Conzelman, Guyl rd Maurice (II)	Calif
B Terr I correcte of Ad' L'	DC.	C. per, Charles David (11)	DC.
PICE I I.B. Prester & (12)	00	A.B. 1947, The George Washington	
BS 1942. North Carolina State	DC	C. Cutville	
(: "ere		Corper W Heim Hurlbert (IV)	Ohio
oteler, Marcia (IV)	n.c	AB 1949 Western Reserve	
AB 1945 The George Washington	DC.	(1, 101, 1)	
University		Cooperman Bernard Robert (IV)	DC.
owen, Thales, Jr. (I)	DC	AB 1945. The George Washington	

Corrado, Michael Anthony (1)	DC.	Fisher, James William (I)	S.C
Cerwin, Leonard Joel (I)	D.C. N.J.	B.S. 1947, University of South	
B.S 1947, Rutgers University		Carolina	
Cosler, Mckinney Phipps (II)	DC.	Foot, Milton Ario (1)	Mont
Coultrip, Raymend Laverne, Jr. (1)	I.W.a	AB 1947. University of Southern	
Crisp, William Larl (IV)	Nd.	Culifornia Foster, Rubert Russell (IV) Funt, Tebras R ger (III) A.B. 1938, University of Missouri	Ohio
Crowell, Jack (II)	'A1G'	Funt Tobas R per (111)	11.
B.S. 1947, The George Washington University		A B. 1938. University of Missouri	
Curtis, James LeRoy (IV)	Wis.	11.07	
Control, James Externy (CT)	*****	G	
D		Gargano, Fred Patrick (1)	N.J.
Dalton, Charles Edward (III)	Va.	B.S. 1947, The George Washington	
Davis, Thomas McCellan (I)	DC.	1'000 000 000	
DeLashmutt, Ribert Eugene (IV)	Ohio	Garnett, James Harper Poor (III)	D.C.
DeWitt, James Cerwin (11)	Va.	Garnett, James Harper Poor (III) A B. 1946, University of Virginia Gates, John William (II)	Calif
B.S. 1943, Maint Union College		Gates, John William (II)	Out
DeWitt, William Bradley (1)	Ala.	BS tott Mount Union College	(> 11.1
A.B. 1948, Heward College	N1 37	George, Harry Clair (III) B.S. 1944, Mount Union College Gerbie, Albert Bernard (II)	(thio
DiBenedetto, Anthony Domenico (III)	N.Y.	Galsson James Wallace (III)	1 3.
B.S. 1943. Villan va Cellere Ditzler, Marshall Freest (IV)	Pa.	G.bson, James Wallace (III) B.S. 1941, Hampden Sydney College	
BS 1915, Jehanon Valley College	1 01.	Gillette, Warren (111)	[) (,
Dixon, William Martin (IV)	DC.	B.S. 1942, California Institute of Technology	
Duran, Stephen Mark (III)	Mich.	Technology	1. 1.
Dotson, Maryanna Flizabeth (11)	DC.	Gillman, R bert David (III)	7. I.
A B 1948, The George Washington		AB 1010, Yale University AM 1046, Climba University	
Davie 11. to 1. to 1.	011	Gimble Aberbam Isan (1)	1)(
Dovle, John Benedict Jr (1) AB 1948, University of California	Calif.	Gimble, Abrilam Isan. (I) B.S. 1943, M.S. 1948, The George	
at Lee A. 1		Wastington University	
Drouland, Kerneth Farl (IV)	Mich.	Godber Gleria Swars n (1)	1)(
DuBi ff. Seymour (II)	N.Y.	G Hard, James Lee (11)	7:1.
Drobbard, Kenneth Farl (IV) DuBard, Seymour (II) A B 1948. The George Washington University		Goodman, (lift of lances (II)	ALIZ
Dankersty		B.S. 1947. The George Washington University	
Dunhar, Asine Cameron (IV) A B 1942, The George Washington University	Conn		1 :
University Ceorge Washington		Greaves, Keith Carpenter (II)	Idaha
A.M. 1944, Colorado College		Greaves, Keith Carpenter (II) BS 1941, University of Haho	
The second second		Green less land him in it (111)	1.
E		AB 1944, University of Kansas Cit	y
Eanet, Morton Philip (11)	DC.	Green, W. m. Ol,ver, Jr. (1)	D C Ind
AB 1917, Yale University	D.C.	Greenlee, R. bert Le nard (IV) Guer n, Bernard (III)	DC
to lesten Hateld Name Ir (1)	Md.	R C 1044 I m c at a State University	1
Ehrmantraut, W. litted Russell (Grad)	Md.	MS 1944. I was of a State University MS 1946. The Geothe Washing a	
Ehrmantrana, Willied Russell (Grad) B.S. 1948. University of Maryland		University	
Edenberg, David (1) Figlish, Hareld Medvin (IV)	N.J. Va.	Guthrie, Eugene Harding (II)	2113
Enn.s. Harry Harles (I)	Va.		
A B 1948, Brislam Young University	Utah	H	
I I would be best tyle (111)	DC	Hagen, William A gust (1)	(1, ,)
Figure 1 Committee Committ	1.1.	AB 1945. Hiram College	N 1
Everling, Charles for me (III)	D.C. N.Y. N.Y.	Hall, Allan (1)	11
Everling, Charles for me (III) Everlant, Clarer to Edward (I)	01/10	Hamby, Aince Walters (III) A.B. 1943. The vivina College	h,
Do 1918, Western Reserve		Hansen, Martin I Sa et (11)	C' .
University		Harly, William M.C. ate (IV)	11
P		16 S 1946. La versit of Gregon	
Fabi, Mario Nester (III)	Pa	Hashim, John Sark so (IV)	Mil
Farr, Boyd Leeph (I)	Utah	BS 1947, University of New	
Fealy, Jack (11)	Ala	Hampshire	211
B.S. 1047. Birmingham Southern C. Here Federle, Josse Alan (1)		Haslap, Ailen Lee (III) Hathaway, Betty I laine (I)	Fla
Federle, Iosse Alan (1)	DC.	BS 1944, Indana University	2 1 1
a Contract of the contract of	Ohio	Havnes, Asbrev Franklas (IV)	Tex.
		Heresy Grep by Tt mas (1)	1.1
1 LIVER IV		Hyber (Intes I ! in (I)	11 /.
Cities in R. bart barrer (1)	Va.	Hirles, R. bert Haveam (IV)	()2 112
AB 1045 Translate (1)	N.Y	H. Izworth D. ala Carleine (III)	11;
Fernbuch, Denald Isseph (1) AB 1948, T.s., Im College Files, George Everett (III)	Md.	A B 1944. Notre Dane College, Md	
B.S. 1943. Tufts College	1480.	AM 1946, Catholic University of America	
C. C. C.		· · · · · · · · · · · · · · · · · · ·	

Honig, Doris Marcelle (I)	NI.	v	
A.D. 1044 II nter (' II	N.	r. M	
Hopkins, Theodore Reed (II) A.B. 1947, Stanford University	Cal	if. Madean Mirion Element (12)	
Hosn, Henry Joseph (111)		B.S. 1944, The Gentee Washington	D.C
BS. in F. E. 1941 Lehigh Univer	P		1
Hon, Henry Joseph (III) B.S. in F. F. 1941, Lehigh University Howie, Donald Lynk (IV) Howard Robert Lynn (IV)	Mas		N.J.
A B. 1948, University of Alabama Hughes, Francis Homer, Jr. (III)		Mahaney. The mas Prest on (117)	Ohio
	D.(. Mandes, James Charles (111)	Mich, D.C.
Aldriton, Richard P. Juren (1)	DO	A.B. 1947. The George Washington	47.0.
Tiuli, fames Brooks Is (TT)	D.C Va	University	
In E.E. 1942, University of	V 4	B.S. 1942, University of Minnesota	Wis.
Michigan Hyde, Grant Lafayette (II)			C
227 de, Grant Larayette (11)	Calif	. D.S. 1948, Western Reserve	Conn.
J		University	
Jampolsky, Alton Morton (III)		Martens, Doris Katharine (II)	Calif.
Jelia 113. P. (Dert 3 stone of 1 / 117)	R.I Pa	A.B. 1944. University of Southern	
Johnson, Howard Hamilton, Jr. (II) A B. 1945. The George Washington University	D.C	Martin Dean Harrington (TTT)	D.C.
A. B. 1945. The George Washington	1	Mattingly, Thomas Ernest, Jr. (II) A.B. 1948, The George Washington	Md.
University		A.B. 1948, The George Washington	
		Mayberry, Paul Raymond (I)	
Kayhoe, Donald Ellsworth (III) A.B. 1948. The George Washington	Md.	Mayne, John Cleland (1)	Maine
University Washington		A B 1948, Albien College	
Keiser, George Archibald, Jr. (IV) B.S. 1946, Harvind University Kent, Stephen Garland, Jr. (III) Kerr, H. star e Leiser (I)	3/1	McClelland, James Robert (II)	D.C.
BS. 1946, Harvard University	Md.	Nict line, Violet Kelling (II)	N.Y.
Kerr, H race I skew (1)	Va.	A B 1948, The George Washington University	
Kesi ishan John Mart (111)	D.C.	McKelway, William Prentiss (III)	D.C.
Kesi ishan, John Mark (HI) Kilpatrick, Jibn Taylor (IV)		A.B. 1943, Washington and Lee	
BS 1945. University of Oklahoma	Okla,	McWhist Joseph Bussell (III)	
	Md.	McWhirt, Joseph Russell (II) AB 1048, The George Washington	D.C.
College Pranklin and Marshall		University	
A.M. 1944 Columb . Painer		Meeker, John Harbeck, Jr. (I)	N.J.
	Md.		
B.S. 1948. The George Washington	148G.	Merritt, Arthur Donald (I) Metzger, Joseph Francis (III)	D.C.
Kl ka, Raym and Riggs (II)		Micterott, Kirk ()liver (1)	Va. Minn,
Andread C. Parliment Little room To (Th	Ohio	Al state Arm I Head (IV)	D.C.
The fire two Washington	Ohio	NI. le Is, Kaym to Martin (IV)	Win.
			DC.
Knoz, R bert Ormiston (III)	D.C.	Muler, Maurice Myles (I) A.B. 1948, The George Washington University	Va.
A B 1,447. The George Washington		University	
Kelb Karl Philip (III)	2.00	Miller, Ralph Jewast (1)	Pa.
Minimar, Right Lawrence (11)	Mich. Va.	Willer, Kay Lambert (IV)	Va.
A.B. 1943, Boston University	V III.	B.S. 1936, Northwest Missouri State	
L		and the control of th	D.
_		D.S. IR Chem. [OAT [In impension of	Pa.
Lahti, Carl Robert (IV)	Mich.		
Limb, Rodney John (I) Line, John Goothe, Jr. (IV)	Calif.	Monyak, John George (I)	Pa.
	Fla.		Mont.
	III.	Mossman, Paul Burrell (IV)	Va. Colo.
La el miller, Roy William, Jr. (II) A.B. 1047, Maryville College Law Arthur Gregory (IV)	Pa. Md.	A.B. 1945, University of California	Cuio,
Law Arthur Grenory (737)		Mott, Richard Henry, Jr. (III)	D.C.
	D.C.	Mossman, Paul Burrell (IV) A.B. 1945. University of California Mott, Richard Henry, Jr. (III) A.B. 1947, The George Washington University Muhanes Olima Adalah (2)	
B.S. 1938, Marshall College	W.Va.	Muhonen, Oliver Adolph (I)	dinn.
Lee, Calibert Stanley (TV)	D.C.	, , , ,	andll,
A.B. 1941, Stanford University Lenardrezi, David Rino (II)		N	
	D.C.	N	
		Naiden, Eulaine (III)	Va.
Littwin, Charles Studge (TTT)	N.J.	B.S. 1941. University of Idaho Nason, John Peter (II)	
AB 1943. II birt College Lyons, William Stewart (II)		74.15. 1614.7 Francisco of 3.00	Md.
The stewart (II)	D.C.		DC
		(111)	DC.

0		S	
Oakley, George D. (1)	Hawaii	Sager, John Harmer (I)	D.C.
AB 1948, University of Hawaii		A.B. 1946, Princeton University	
Oltoval, Sverre I Im. Ir. (III)	D.C.	Sandstord, George Woll am (II)	Pa.
A.B. 1942, Oct. dental College	Mass.	Sansam, Lavane Lar. (1) A.B. 1947, University of California	Calif.
O Gara, R. ger W.h.am (II) AB 1948. The George Washington	151355.	Savarese, Charles Leseph, Jr. (111)	D.C.
CHICAGO		A.B. 1941, University of North	2.0.
Oleany, Mary Jean (IV) A.B. 1946. The George Washington	DC.	Carolina Schmidt Day 11 Com (711)	
University		Schmidt, Donald Gerry (III) B.S. 1942, University of Washingto	Mont.
Chiversity		Schmidt, William F. (II) Schultz, The d re Arthur (I)	NY.
P		Schultz, The d re Arthur (I)	Ohio
Paston 1 1 (72)		B.S. 1948, Capital University	
Paalow, Joseph (II) B.S. 1048, University of Pittsburgh	D.C.	Schutter, Maxine Ann (II) A.B. 1944 Pomena College	D.C
Farrish, Matthew Dense ad [111]	Va.	Schwartz, Julius Louis (II)	N.Y.
	V 46.	Schwartz, Julius Louis (II) A.B. 1947, New York University	
Pear, Bertram Lincoln (III) A B 1947. The George Washington University	Colo.	Seb-ter, Mirram Z. (III.) A.B. 1982. Harter C. llege A.M. 1940. C. limb a Ur versity Shalteen, Michael Film, ed (IV.) B.S.	NY.
University		AM 1912 Chief Cilere	
Penbertan, Henry Walter (I)	Minn,	Shaheen, Michael F Im and (IV)	Miss.
	24411111.		.12172.
I III. I IN LIBERTY OF THE LAND TO THE LAN	DC.	Signers, Richard Lawrence (IV)	D.C
Pukering, Wester & Harold (I) Puker n, Losep' William (II)	Olino	AR 1948, Clark University	51.0
	N.Y. Va.	Silverberg, Stanley Melvin (I) Smith, James Anthony (IV)	DC
I THE RESERVE TO STATE	Miss.	Small, Samuel R. In. of (11)	14
Piver, Julius S. (1)	********	Sm.tl., Sam tel R. In. e J (II) A B 1948. The George Washington	
BS 1948 The Command	D.C.	University Solomon, R. bert Joseph (IV)	3.6
BS 1948. The George Washington		Sprewell, R. bert R v (1)	Mich.
Finner, Ray Larl (1)	Pa.	AB LUS I'V VIII OF Down	Wyn.
Phinter, Ray Larl (I) B S. 1948. Pennsylvania State Colleg Polita k, Jerome Lee (IV)	e	Stare, A. s . 11 . 1 req (1)	Va.
B.S. 1945, Franklin and Marshall	D.C.	Start Robert W' r (I)	Va.
		of the high lames here is the	DC.
Porter, Melvin A (IV)	Kans.	AB 1948 Dose University Stames, Harry Clay (1)	DC.
Prest Freet Cul (IV)	1.0	Stames, Harry Clay (1)	Pa.
Tice Clizabeth (II)	NY.	Ste is Hare!!! Laws (III) A B 1.44" The George Washington	N.Y.
A B 1044 Columbia Paine	Va.	(1) July 11 1.	
A.M. 1944, University of Minnesot	a	Stewart, All in Hugh (I) Stewart, Henry (I)	Calif.
		Stewart, Henry (1)	Nev.
R		A B Lors. University of Nevada Stokes, James Arthor (I) Stone, Karl I. (II) Stone, Chyw Wallace (IV) Stone, Chybrid Association	***
		St. ne, Karl I (II)	Fla.
Rapp, Raymend Edward, Jr (I)	D.C.	St. it. Herry Wallace (IV)	DC
BS 1948. The George Washington University			
Reep. Richard Louis (1)	Calif.	Switzer, Walter I dw.s. (III)	nia
Reep, Richard Louis (I) AB 1948, Stanford University Rever Paul C.	Carr.	MS. 1941, University of Illin's	111.
and the state of t	Mexico	441/16 3	
Rlane, Har III Is to Ulli	21.10	T	
Rhane, Har H. L., Ir (HI) A B 1046, Proceedon University Ritte Royal II	N.Y.	Thiba leau, Andrew France (III)	353.
	D.C.	A B. 1947. The George Wast meten	
of D 1945. The George Washington		The price to 1 Augustus to 121	INC
It beetson Lub Do Inen (TTT)	7.1.1	P.S. 1948. The George Washingt n	100
	Idaho	· ·	
	Calif. Tex.	Thinks a William Robin To (11)	Cain
in the state of th		,	
Rish n. Fusene Debs (II)	22.00	Tr. 100 1 10 11 11 11 11 11 11 11 11 11 11	Ohjo
B S. 1946, M S. 1947 The George	D.C.	E Western Reserve	
B.S. 1946, M.S. 1947, The George Wishington University		Tiller II : d Symbox (IV)	341
BS tone With Comments	Wash.	Toker H = Samley (IV) Titus Elect Water Ir (I)	MI
Ro k. Herman Her v. (III) B. S. 1912. Wast nation State College Rosential, Melv a Starley (I)	D.O.	I the state of the	NI
R we Frank I opt (I)		10015000, (111,05 [00 1]])	DC.
R se Frank I spl. (I) R sbenstein, Norman Hartley (III)	NI. DC.	A B 1745. The George Washington	

The George Washington University

Trible, William MacLehon (III)			
AB. 1941. Princeton University	D.C.	annual months Offerful [1A]	Md.
Tripp, Richard Carlt n (I)	1	A.B. 1939. Wellesley College	AVACA,
A.D 193". University of Toma	Iowa		D.C.
auxendiali, R best brain (1)	D.C.	B.S. 1940, The George Washington	
B.5 1948, The George Washington	27.0.	University Whereity	
_ chiveretty		Wherry, David Colwell (I)	Nebr.
Tway, Lawrence Edward (IV)	Calif.	Whisenand, Benjamin Murray (II) Whitehead, Roger Douald (I)	Oreg.
		Whitnack, John Doyle (IV)	Calif.
U		Whyte, Rosalie Ann (IV)	Calif.
Uhrik, Irene Joan (II)	Pa.	A.B. 1946, The George Washington	D.C.
D.S. 1943, M.S. 1046 Pennsylvania	A 00 -	C D'AGLEILA.	
State Citteke		Willett, Edwin Dexter (III)	Hawaii
Cmhan, John B (I)	D.C.	Williams, Gerald Albert (IV)	Iowa
Unger, Howard Robert (I)	D.C.	D.S. 1945. South Dakota State	40111
Opton, Emily Frances (III)	Md.	College	
BS. 1946, University of Maryland		Williams, Thomas Alfred (I)	W.Va.
v		A.B. 1048, West Virginia Universit Wilson, William Dean (II)	у
Van Atta, Glen (IV)	Ohio	Wimberley, Claire Baker (IV)	Wyo.
Van De Water, Malcolm Colobla (1)	Fla.	A.B. 1944. University of Alabama	Ala.
Vallyculeren, Bertha Fluschach (117)	D.C.	winciand, Robert Kenneth (III)	D.C.
A D 1940. The Cicorne Washington	D.C.	AB 1948. The George Washington	D.C.
C III : A CLEI (A		f Directify	
Varvaressus, Yvonne (III)	D.C.	Winter, Frank Fphraim (III)	N.Y.
Viscon Charles Ramon (II) Puert	o Rico	BS. 1943, University of Pittsburgh	
Vivion, Charles George (I)	Wyo.	wood, Edwin Charles ([[])	DC.
W		Wordich, Francis deSales (1)	DC.
117 - 11 (P) TO 1111		Wroth, Ralph Lane (II)	-
Waalkes, T. Phillip (II)	D.C.	A.B. 1947, Kenyon College	Pa.
A.B. 1941, Hope College		AAVI recuyou Contesse	
Ph.D. 1945, Ohio State University Wacker, Warren Ernest Clyde (II)		v	
Wade, Robert Lee (II)	Va.	7	
Waldrep, Francis Neil (III)	D.C.	Yanowitz, Arthur (III)	NY.
A D 1940. I D. Versity of Minneson	Md.	Yedziniak Michael Movsius (II)	Conn.
Traiter, Ratharine Miriam (111)	Md.	Yetman, Thomas William (IV) Young, Robert (II)	RI.
1944. Int Cienree Washington	assa.	A B 1048 The Cooper W	D.C.
6 111 6 1 4 1 A		A.B. 1948, The George Washington University	
Weaver, Frank Lloyd, Jr. (III)	Md.		
The George Washington		Z	
University		Zitani, Alfred Marius (IV)	11
			Va.

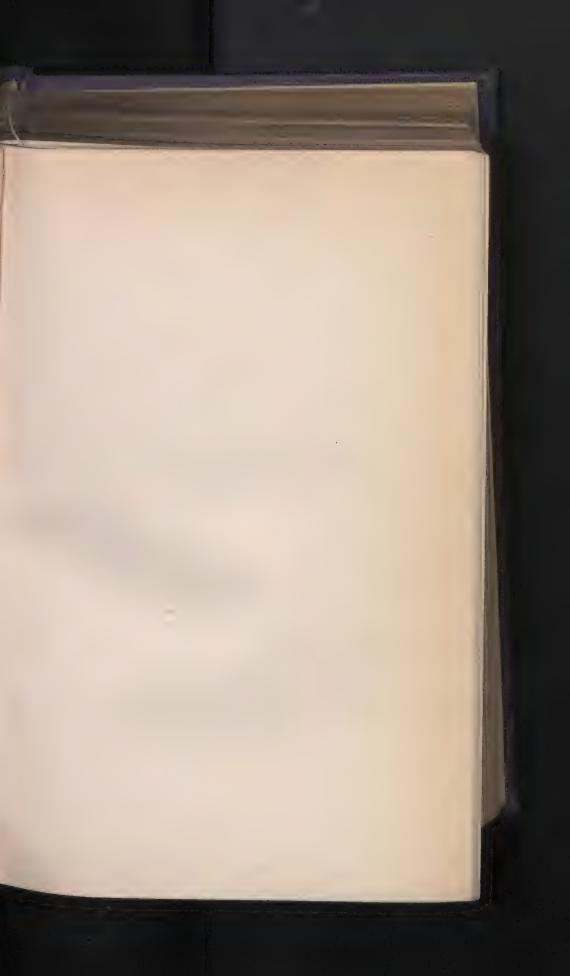
SUMMARIES OF REGISTRATION

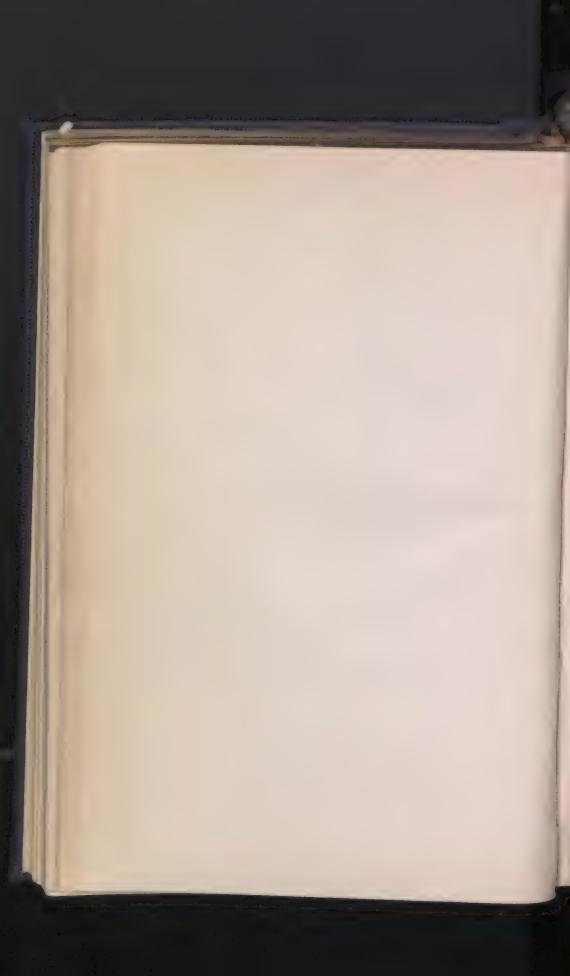
1948-49

NUMBER OF REGISTRATIONS

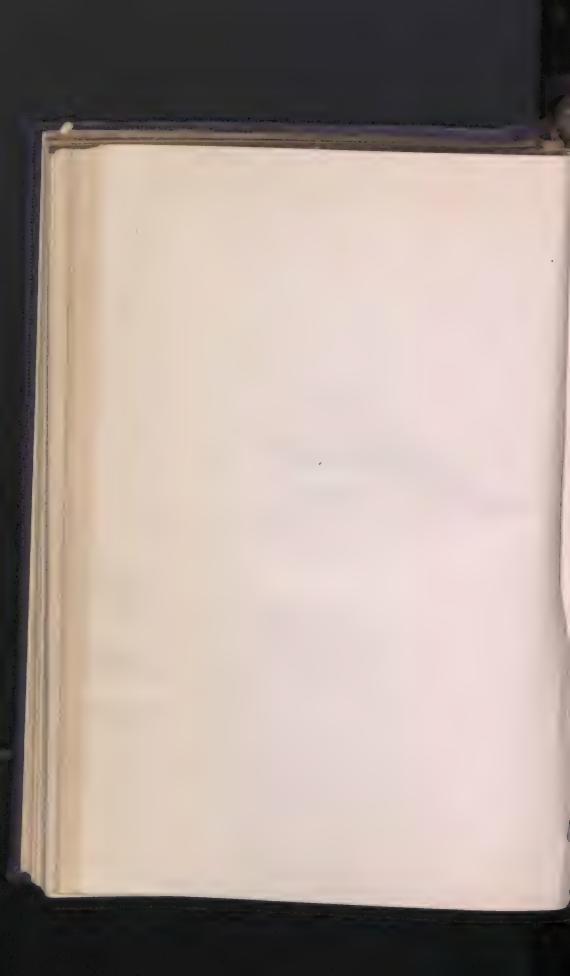
Class Entering September 1947 Class Entering September 1946 Class Entering September 1945	92 81 78 69		
Total	321		
Geographical Dist	TRIBUTION OF STUDENTS		
Arizona California Colorado Connecticut District of Columbia Florida Georgia Idaho Illinois Indiana Iowa Kansas Kentucky Maine Maryland Massachusetts	2 North Carolina 2 3 Ohio 17 8 Oklahoma 1 9 Oregon 1 1 Pennsylvania 16 2 Rhode Island 2 3 South Carolina 1 3 Texas 2 3 Utah 2 4 Virginia 33 1 Washington 3 1 West Virginia 3		
Michigan Minnesota Misesseina	A		
GRADUATES OF COLLEGES REGISTERED IN THE SCHOOL OF MEDICINE			
Alabama, University of Albion College Amherst College Birmingham-Southern University Boston University Bricham Young University In Butler University California, University of California, University of, Los Angeles	California Institute of Technology Capital University Catholic University of America Chicago, University of Cincinnati, University of Colorado College Columbia University		

Florida, University of	. 1	Notre Dame College M.
Frankin and Marshall College	2	
George Washington University	54	
Georgetown University	54 I	Ohio State University
Getty burg College		
Hamilton Conege	1	Oregon, University of
Hami den-Sydney College	I	Pennsylvania State College
Harvard University		Pennsylvania State Teachers Col-
Hawaii, University of	2	lege, East Strondsburg
Hiram College	I	Pittsburgh, University of
Hebart College	I	romona College
Hepe Cologe	I	Princeton University
H ward C "	I	rucito Rico, University of
Hunter College	I	Kutuers t miversity
Little I since is a	2	Sa cm Conege
Idaho, University of	2	Smith College
University of	I	South Dakota State College
Indiana University	I	Southern California, University of
Livea, University of	1	South Carolin . Chiversity of
John Carroll University	I	Stanford University
Kansas City, University of	I	Texas, Agricultural and Mechania
Kentucky, University of Kenyon College	I	cal College of
Table VIII	I	Transvivania University
Lebaton Valley College	I	Tinny Colicge
	1	Tutts College
Louisiana State University Muletta C Tege	1	Tusculum College
Mark the exe	I	A1 4101/3 (C.S.C.
Marshall College	I	Virginia, University of
Maryland, University of	3	Washington, University of
Maryville College	1	Was illusted and see himeries
. Mar. Mar. Call. Cally Cally Call	3	Hall' 210h State College
Minresota, University of	4	Henester College
Mis issippi State College	1	Western Reserve Interester 6
Missouri, University of	I	Westprinster College
MINITE CRION (C. 1909	2	
Mildell Diversity of	1	
YOU ILIU'L' I'M I DIMORGING	1	Whitman College
NEW LOCK BILL CASES	1	
Till til III historostar och	I	rate Chiversity 2
Total Car In Section Continue	1	
The state of the s		Vumber of Callana Carlana
(1, (, 1, 1, 1)	I	Number of College Graduates 178
Northwestern University	i	Number of Colleges Repre-
		sented 95





THE CATALOGUE ISSUE



THE GEORGE WASHINGTON UNIVERSITY

BULLETIN

Vol. XLVIII

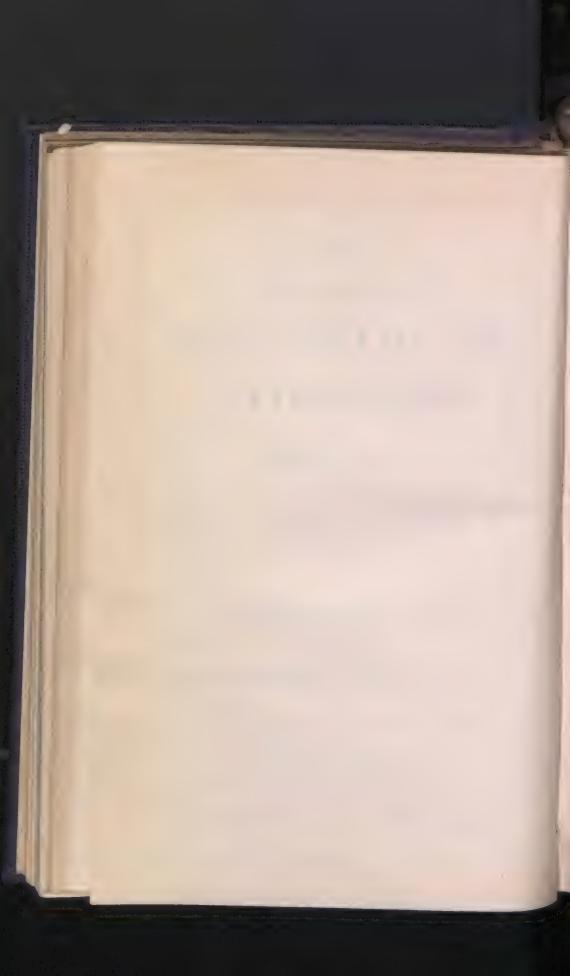
No. 4

THE CATALOGUE ISSUE

WASHINGTON, D. C.

PUBLISHED IN JUNE MCMXLIX

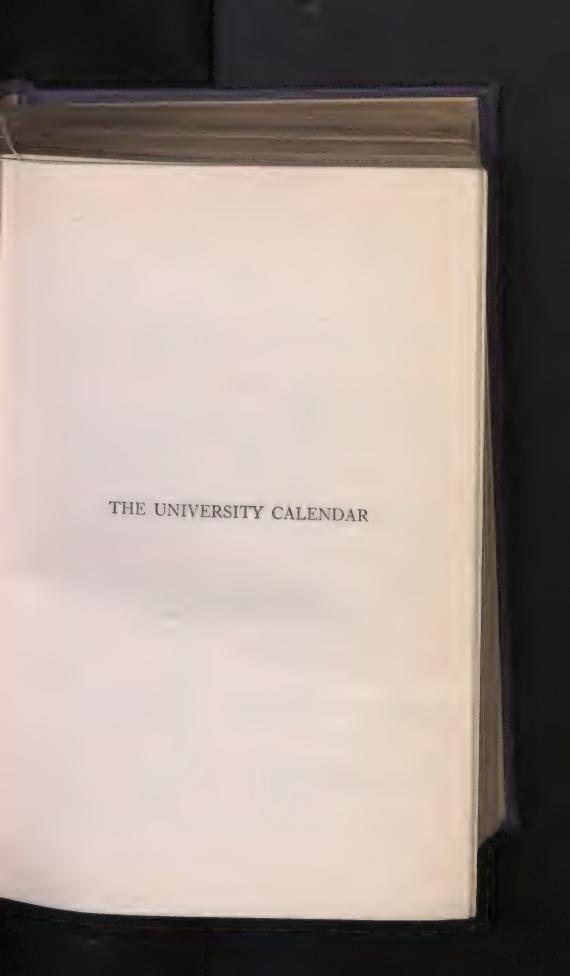
BY THE UNIVERSITY



CONTENTS

THE HAMMES C.	Page
THE UNIVERSITY CALENDAR	vii
OFFICERS AND COMMITTEES OF THE UNIVERSITY.	xiii
The Board of Trustees.	
Committees of the Board of Printers	XV
Onice of Administration	XVII
- 110 Flowdellife Council	ixz
	XXIII
Emeritus Faculty. Faculty and Staff of Instruction.	XXV
Administrative Assistants.	XXVII
THE UNIVERSE	lxi
THE UNIVERSITY	1
fistory and Organization	
	3 7
Admission	11
Fees and Financial Regulations	20
Fellowships, Scholarships, D.	21
Regulations Veterans Education	24
Veterans Education	35
	42
The Colleges, Schools, and Divisions.	43
A DE TURBOR COMMON	47
The Junior College. Columbian College (the senior college) The Graduate Council.	49
The Graduate Council	65
The School of Medicine. The Law School.	82
The Law School. The School of Engineering	88
The School of Engineering. The School of Pharmacy	90)
The School of Pharmacy	115
The School of Education. The School of Government	130
The School of Government The Division of University Students	187
The Division of Special Co.	15
The Summer Sessions.	181
COURSES OF INCOME.	13;
Courses of Instruction	i55
Anatomy	
Anesthesiology Art	150
Art Bacteriology, Hygiene and Preventing Modification	101
Bacteriology, Hygiene, and Preventive Medicine	16;
Biology	16 5
Botany	100
Business Administration Chemistry	16 %
Chemistry	17

	Page
Civil Engineering.	181
Classical Languages and Literatures	183
Dermatology and Syphilology	185
Economics	186
Education	
Electrical Engineering	192
English	198
	205
Geography	206
Geology	209
Germanic Languages and Literatures.	210
ricalth Administration	212
History	213
Home Economics	218
Journalism	221
Law	223
Wathematics	230
Wiechanical Engineering.	233
Medicine	
Military Science and Tactics.	237
Neurology and Neurological Surgery.	24 I
Obstetrics and Gynecology.	242
Onhthalmology	243
Ophthalmology	245
Oto-rhino-laryngology Pathology	246
Pathology	247
Pediatrics	248
Pharmacology Diagrams	250
Pharmacy	251
Philosophy	255
Physical Education for Men	257
Physical Education for Women	262
Physical Medicine	266
Physics	267
I Hysiology	
Political Scace.	271
Psychiatry	273
Psychology	277
Radiology	279
Radiology Religion	284
Religion	285
Romance Languages and Literatures	287
Scoretarial Studies.	293
SOCIOLOGY	295
Speceti	298
Statistics	302
Surgery	307
CHADEY	310
Zoology	311
	311
JNIVERSITY ORGANIZATIONS.	
	315
Alumni and Allied Associations.	010
I study Decicies	317
Student Organizations	324
	326
NDEX	
	329



1949 1950																				
	July							1	anu	ary						Jul	y			
S	M	T	W	T	F	S	S	M	T	W	Т			S	M	T	W	T	F	S
3	4	5	6	7	8	2	1 8	2		4				2	3	4		6	7	8
10	II	12	13	14	15	16	15	16	17	18	19	20	21	9	10	11	12	13	14	15
17 24	18	19 26		21	22	30	22	-	24 31	_	26	27	28	16	17	18	-	20	21 28	22
31	• •													30	31					
			lugu	st					F	bru	ary					A	lugu	st		
7	1 8		3		5	6				18	2	3					2		4	
14	15	16	17	18	19	13	12	13	14	15	16	17	18	13	14	15	16	17	18	19
21 28	22		24 3 I	-	26	27		20		22			-	20			23		25	26
		S	nte	mbe				,		larc							tem			
					2	3				I		2	A			00 1	76 E 770	UET	1	2
4	5	6	7	8	9	10	5	6	7	8	9	10	II	3	4	6.0	6	7	8	9
11	12	20	14	22	16	17		40		15			18	10	-		13	4	15	16
25	26	27	28	29	30		26	27	28	29	30	31		24	25	26	27	28	29	30
	October								Apri	1					0	ctob	er			
2				6		1 8									2	3	4	4	6	7
9	3		5		7	15	9	3		5			8	8	16	10	18	12	13	21
16	17	18	19	20	2I 28	22		17		19		21		22	23	24	25	26	27	28
30	31						30		-					29	30	31				
	November							May	,					No	vem	ber				
	٠.		2		4	5		1		3			6				I	2	3	4
6	7	15	16		18	12	7			10		12		5	6		8	9 16	10	11
20		22	23	24	25	26	21	22	23	24	25	26	27	19	20	21	22	23	24	25
-/	20					•	28	29		31			• •	26	27	28	29	30	* *	• •
		De	cemi					June				December								
4	5	6	7	8	9	10	4	5		7		2	3	3	4	5	6	7	8	2
11	12		14	15	16	17	11	12	13	14	15	16	17	10	II	12	13	14	15	16
25	26		28	29	30	31	25	19 26	20	28	22	30		17		26	20	21 28	22	30
• •		• •	• •	• •				• •	• •	• •	• •	• •	• •	31						

THE UNIVERSITY CALENDAR *

1949-50

Date	Day	Occasion
1949 FALL TERM: Sept. 27	Tuesday	Meeting of the University Faculty Examination for students who wish to qualify for advanced courses or waive curriculum re-
Sept. 28-30	Wednesday through	quirements
Oct o	Friday	Registration
Oct. 3	Monday	Academic year begins
Occ. 43	Thursday	Stated meeting of the Board of
Oct. 14	Friday	Trustees Last day on which candidates may file thesis subjects for the
Oct. 21	Friday	Master's degrees conferred in February Last day on which candidates may file dissertation subjects
Nov. II	Friday	for the degrees of Doctor of Philosophy, Doctor of Juridical Science, and Doctor of Edu- cation to be conferred the fol- lowing May
Nov. 24-26	I hursday through	Fall Convocation. Holiday
Dec 6	Saturday	Thanksgiving recess
Dec. 6	Tuesday	Meeting of the Academic Council
Dec. 8	Thursday	Stated meeting of the Board of
Dec. 10	Saturday	Trustees
	Saturday	Foreign-language examinations for candidates for the Master's de-
Dec. 22-Jan. 2.	Thursday through	grees
*Oro	Monday	Christmas recess
1950		- CCCS
Jan. 3	Tuesday	Classes resume
		Last day for applications for de-
		grees to be conferred in Feb-
-	1	r wat y

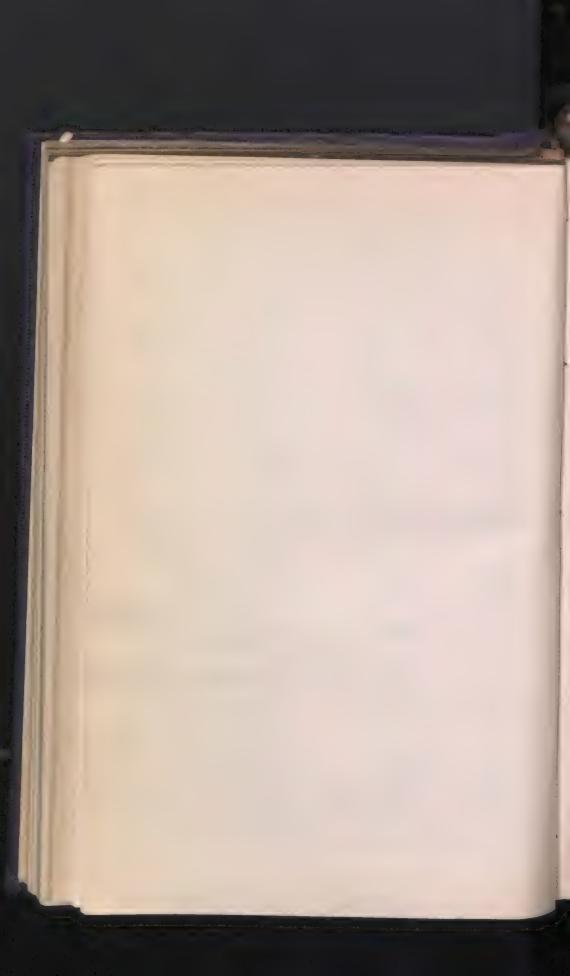
^{*} In the School of Medicine, registration is conducted September 15 and 16, classes begin

THE UNIVERSITY CALENDAR-Continued

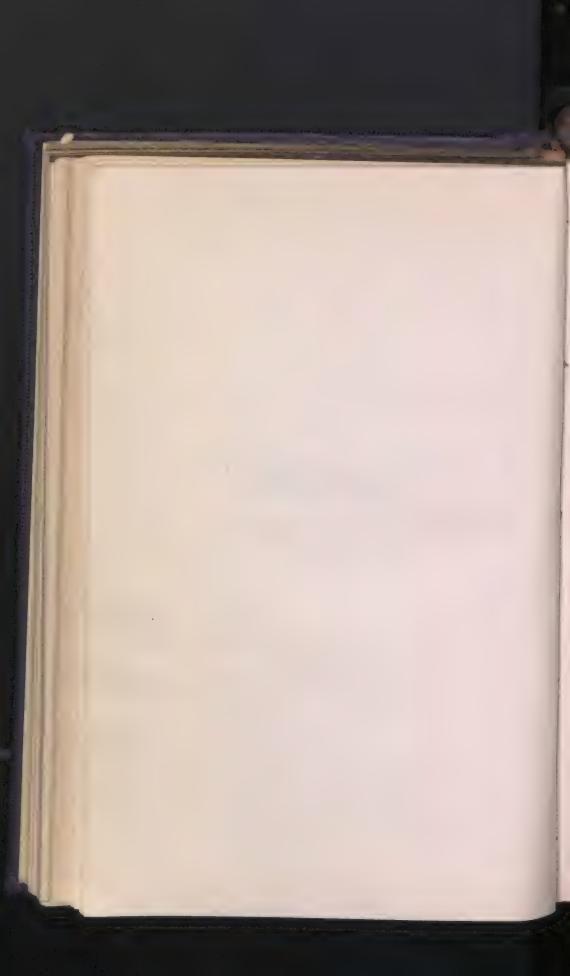
Date	Day	Occasion
Jan. 6	Friday	Last day for receiving disserta- tions of candidates for the de- grees of Doctor of Philosophy, Doctor of Juridical Science, and Doctor of Education to be con-
Jan. 21	Saturday	ferred in February Last day of classes for the fall term
Jan. 23	Monday	Last day for receiving theses of candidates for the Master's de- grees and for the professional degrees in Engineering to be
Jan. 23-31	Monday through Tuesday	conferred in February Fall term examination period
WINTER TERM: Feb. 1	Wednesday	Examinations for students who wish to qualify for advanced courses or waive curriculum re-
Feb. 2 and 3 Feb. 6 Feb. 9	Thursday and Friday Monday Thursday	quirements Registration Classes resume for the winter term Stated meeting of the Board of
Feb. 17	Friday	Trustees Last day on which candidates may file thesis subjects for the Master's degrees to be conterred in May
Feb. 22 March I	Wednesday	Winter Convocation. Holiday Applications for fellowships for
March 9	Thursday	Stated meeting of the Board of Trustees
March 21 April 7 and 8	Tuesday Friday and Saturday	Meeting of the University Faculty Easter recess
April 14	Friday	Last day for receiving disserta- tions of candidates for the de- grees of Doctor of Philosophy, Doctor of Juridical Science, and Doctor of Education to be con- ferred in May
		Last day on which candidates may file dissertation subjects for the degrees of Doctor of Philosophy, Doctor of Juridical Science, and Doctor of Education to be conferred the following February Last day for applications for degrees to be conferred in May

THE UNIVERSITY CALENDAR—Continued

Date	Day	Occasion
April 15	Saturday	Foreign-language examinations for candidates for the Master's de-
April 24	Monday	Last day for receiving theses of candidates for the Master's de- grees and for the professional degrees in Engineering to be conferred in May
April 25 May 1	Tuesday	Meeting of the Academic Council Apparations for scholarships for
May 8	Monday	Summer term preregistation of students registered winter term
May 16	Tuesday	Last day of classes for the win- ter term
May 17-25	Wednesday through	
May 18	Thursday	Winter term examination period Annual meeting of the Board of Trustees
May 28 May 31 Summer Term:	Sunday	Baccalaureate Sermon Commencement
June 5	Monday	Registration of new students for the first session and the fifteen-
June 6	Tuesday	week term of the summer term Classes begin
July 4	I Ucsdav	Independence Day Holiday
Aug. 1	Monday	Registration for the second session
Aug. 2	Wednesday	of the summer term Classes begin
11ug. /	Monday	Last day for applications for de
Aug. 26	Saturday	vember
		Foreign-language examinations for the candidates for Master's de- grees
Aug. 28	Monday	Last day for receiving theses for the Master's degrees and for the professional degrees in En- gineering to be conferred in No-
Sept. 4	Monday	vember
Sept. 15	Friday	Labor Day. Holiday
Sept. 22	Friday	Fifteen-week term ends Second summer session ends
Sept. 27-29	Wednesday through	summer session ends
	Friday	Registration for the fall term of the academic year 1950-51
		иле асачение усыг 1950-51



OFFICERS AND COMMITTEES
OF THE UNIVERSITY



THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President and Vice-President of the University ex officio and the following persons by election:

1950

Avery DeLano Andrews, B.S., LL.B.; 500 Interlachen Avenue, Winter Park, Florida

Clarence Aiken Aspinwall; 1140 Fifteenth Street

Lyman James Briggs, Ph.D., Sc.D., D.Eng., LL.D.; National Bureau of Standards

Henry Parsons Erwin, A.B.; Hibbs Building

Mrs. Joshua Evans, Jr., A.B., Ed.D.; 3405 Lowell Street *Robert Elliott Freer, A.B., LL.M.; 712 Jackson Place

John Edgar Hoover, LL.M., LL.D.; United States Department of Justice

*Frank Atherton Howard, B.S. in M.E., LL.B.; 30 Rockefeller Plaza, New York City

Walter Rupert Tuckerman, A.B., LL.B.; 5415 Edgemoor Lane, Bethesda, Maryland

1951

Newell Windom Ellison, A.B., LL.B.; 701 Union Trust Building Gilbert Grosvenor, A.M., LL.D., Litt.D.; National Geographic Society *Brooks Hays, A.B., LL.B., LL.D.; The House Office Building Benjamin Mosby McKelway; The Evening Star Building Alfred Henry Lawson, LL.B.; Washington Loan and Trust Company *Claude Worthington Owen, LL.M.; 2321 Fourth Street Northeast Lloyd Bennett Wilson; 2100 Connecticut Avenue

1952

John St. Clair Brookes, Jr., A.M., LL.B.; Colorado Building John Henry Cowles, LL.D.; 1733 Sixteenth Street Homer Cummings, Ph.B., LL.B., LL.D., L.H.D.; 1625 K Street *Watson Davis, B.S. in C.E., C.E.; 1719 N Street Robert Vedder Fleming, LL.D.; Riggs National Bank

^{*} Nominated by the alumni.

Charles Carroll Glover, Jr., A.M., LL.B.; Riggs National Bank Mrs. Henry Alvah Strong, LL.D.; 502 National Savings and Trust Building Alexander Wetmore, Ph.D., Sc.D.; Smithsonian Institution

*Charles Stanley White, M.D., Sc.D.; 1801 I Street

Chairman of the Board of Trustees
Robert Vedder Fleming

Secretary of the Board of Trustees
Henry Parsons Erwin

Assistant Secretary of the Board of Trustees
Newell Windom Ellison

[·] Nominated by the alumni,

STANDING COMMITTEES OF THE BOARD OF TRUSTEES

The Chairman of the Board of Trustees and the President of the University shall be members ex officio of each of the committees of the Board. The President of the University shall be Chairman of the Executive Committee.

EXECUTIVE COMMITTEE

Mr. Ellison, Secretary; Mr. Erwin; Mrs. Evans; Mr. Glover; Mr. McKelway; Mr. Tuckerman

COMMITTEE ON EDUCATIONAL POLICY

Mr. Wetmore, Chairman; Mr. Grosvenor; Mr. Hoover; Mr. Howard; Dr. White

COMMITTEE ON ENDOWMENT FUNDS

Mr. Aspinwall, Chairman; Mr. Andrews; Mr. Cowles; Mr. Howard;
Mrs. Strong

COMMITTEE ON FINANCE

Mr. Erwin, Chairman; Mr. Aspinwall

COMMITTEE ON NOMINATION OF TRUSTEES

Mr. Ellison, Chairman; Mr. Cowles; Mr. Grosvenor; Mr. Hoover; Mr. McKelway

COMMITTEE ON HONORS

Mr. Grosvenor, Chairman; Mr. Briggs; Mr. Glover; Mr. Tuckerman

COMMITTEE ON ALUMNI RELATIONS

Mr. Ellison, Chairman; Mrs. Evans; Dr. White

(xvii)

COMMITTEE ON UNIVERSITY LIBRARIES AND MUSEUMS

Mr. Briggs, Chairman; Mr. Cummings; Mr. Lawson

COMMITTEE ON LEGAL AFFAIRS

Mr. Cummings, Chairman; Mr. Brookes; Mr. Ellison

COMMITTEE ON BUILDINGS AND LANDS

Mr. Lawson, Chairman; Vice-President Grant, Secretary; Mr. Glover; Mr. Tuckerman

COMMITTEE ON PERSONNEL

Mr. Wilson, Chairman; Mr. Erwin; Mrs. Evans; Mr. Freer; Mr. Grosvenor

COMMITTEE ON EXTRA-CURRICULAR ACTIVITIES

Mr. Brookes, Chairman; Mr. Freer; Mr. Tuckerman . .

COMMITTEE ON PUBLIC RELATIONS

Mr. Freer, Chairman; Vice-President Grant, Secretary; Mrs. Evans; Mr. McKelway; Mr. Wetmore

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

Cloyd Heck Marvin, Ph.D., LL.D., President of the University
Ulysses S. Grant, 3d, B.S., Graduate United States Engineers School,
Vice-President

Harold Griffith Sutton, M.S., Director of Admissions
Fred Everett Nessell, A.B., Registrar; Secretary of the Faculties
John Russell Mason, B.S. in L.S., A.M., Librarian; Curator of Art
Myrna Pauline Sedgwick, A.B., Administrative Secretary

Henry William Herzog, B.S., Comptroller
Donald Blanchard, B.C.E., Business Manager
Claud Max Farrington, A.M., Director of Activities for Men
Virginia Randolph Kirkbride, A.M., Director of Activities for Women

Alan Thomas Deibert, A.M., Adviser to Students from Foreign Countries

Mitchell Dreese. Ph.D., Dean of the Summer Sessions
Daniel LeRay Borden, A.M., M.D., Director of Health Administration
Ruth Harriet Atwell, A.M., Director of Physical Education for Women
Lester Allan Smith, A.M., Director of Alumni Relations
John Rust Busick, A.B., Director of Public Relations
Don Carlos Faith, Director of Veterans Education

THE COLLEGES, SCHOOLS, AND DIVISIONS

Myron Law Koenig, Ph.D., Dean of the Junior College
Henry Grattan Doyle, A.M., LL.D., Litt.D., Dean of Columbian College
Robert Whitney Bolwell, Ph.D., Chairman of the Graduate Council
Walter Andrew Bloedorn, A.M., M.D., Sc.D., Dean of the School of
Medicine

Frederick Morris Feiker, B.S. in E.E., D.Eng., Dean of the School of

Charles Watson Bliven, M.S., Dean of the School of Pharmacy
James Harold Fox, A.M., Ed.D., Dean of the School of Education
Arthur Edward Burns, Ph.D., Dean of the School of Government
Elmer Louis Kayser, Ph.D., LL.D., Dean of the Division of University
Students; University Marshal

Warren Reed West, Ph.D., Dean of the Division of Special Students William Lewis Turner, A.M., Assistant Dean of the Junior College Katharine Rogers Adams, Ph.D., Assistant Dean in the Junior College

George Martin Koehl, A.M., Assistant Dean in the Junior College Carr Bartleson Lavell, A.M., Assistant Dean in the Junior College Calvin Darlington Linton, Ph.D., Assistant Dean of Columbian College Carl Hugo Walther, B.E., M.C.E., Assistant Dean of the School of Engineering

THE ACADEMIC COUNCIL

THE UNIVERSITY

The President of the University The Director of Admissions

The Registrar
The Librarian

THE GRADUATE COUNCIL

The Chairman of the Council
Benjamin Douglass Van Evera
Louis Clark Keating

THE JUNIOR COLLEGE

The Dean of the College
Thomas Benjamin Brown George Winchester Stone, Jr.

COLUMBIAN COLLEGE

Colin Mackenzie Mackall

The Dean of the College
Francis Edgar Johnston

THE SCHOOL OF MEDICINE

Paul Kenneth Smith

The Dean of the School

Angus MacIvor Griffin

THE LAW SCHOOL

Charles Sager Collier
The Dean of the School
Robert McKinney Cooper

THE SCHOOL OF ENGINEERING

Arthur Frederick Johnson Carl Hugo Walther

(xxi)

THE SCHOOL OF PHARMACY

The Dean of the School

THE SCHOOL OF EDUCATION

The Dean of the School

Kathryn Mildred Towne Ralph Windsor Ruffner

THE SCHOOL OF GOVERNMENT

The Dean of the School

Wood Gray

Edward Campion Acheson

THE DIVISION OF UNIVERSITY STUDENTS

The Dean of the Division

THE DIVISION OF SPECIAL STUDENTS

The Dean of the Division

THE SUMMER SESSIONS

The Dean of the Summer Sessions

STANDING COMMITTEES OF THE FACULTY

COMMITTEE ON EDUCATIONAL POLICY

The President of the University, Chairman

The Dean of the Junior College The Dean of Columbian College

The Chairman of the Graduate Council

The Dean of the School of Medicine

The Dean of the Law School

The Dean of the School of Engineering The Dean of the School of Pharmacy

The Dean of the School of Education

The Dean of the School of Government The Dean of the Division of University Students

The Dean of the Division of Special Students

The Dean of the Summer Sessions

COMMITTEE ON ADMISSION AND ADVANCED STANDING

Harold Griffith Sutton, Chairman Francis Edgar Johnston Carville Dickinson Benson

COMMITTEE ON LIBRARY

Fred Salisbury Tupper, Chairman Carville Dickinson Benson Thomas Martin Peery Charles Rudolph Naeser Louis Clark Keating

COMMITTEE ON PUBLIC CEREMONIES AND ASSEMBLIES

Elmer Louis Kayser, University Marshal; Chairman Frank Mark Weida Burnice Herman Jarman Ira Bowers Hansen Charles William Cole Wood Gray Fred Everett Nessell

COMMITTEE ON RESEARCH

Robert Whitney Bolwell, Chairman Thomas Benjamin Brown Edward Henry Sehrt Richard Norman Owens Chester Elwood Leese

(xxiii)

COMMITTEE ON STUDENT LOANS AND SCHOLARSHIPS

Warren Reed West, Chairman

Burnice Herman Jarman Henry William Herzog Virginia Randolph Kirkbride Martin Steele Day

COMMITTEE ON INTERCOLLEGIATE ATHLETICS

Burnice Herman Jarman, Chairman

Mitchell Dreese

Ralph Dale Kennedy

Claud Max Farrington

COMMITTEE ON SCHEDULE OF CLASSES

Samuel Nathaniel Wrenn, Chairman
Benjamin Carpenter Cruickshanks John Withrow Brewer

COMMITTEES ON STUDENT RELATIONSHIPS

COMMITTEE ON STUDENT LIFE

Claud Max Farrington Marjorie Tate

Burnice Herman Jarman, Chairman

Virginia Randolph Kirkbride

James Harold Coberly

Six Student Members

COMMITTEE ON FORENSICS AND DRAMATICS

Lubin Poe Leggette, Chairman

Elizabeth Burtner

Edwin Lockwood Stevens

COMMITTEE ON MUSICAL ORGANIZATIONS

Chester Elwood Leese, Chairman

John Russell Mason

Gretchen Louisa Rogers

COMMITTEE ON PUBLICATIONS

Calvin Darlington Linton, Chairman

Elbridge Colby
Margaret Davis (Alumna)

Henry William Herzog William Ellenberger (Alumnus)

Two Student Members

EMERITUS FACULTY

PAUL BARTSCH, Ph.D., Sc.D. Professor Emeritus of Zoology

RAY SMITH BASSLER, Ph.D., Sc.D. Professor Emeritus of Geology

GEORGE MORTON CHURCHILL, Ph.D. Professor Emeritus of English History

WALTER COLLINS CLEPHANE, LL.M., LL.D. Professor Emericus of Law

ANNA PEARL COOPER, A.M. Professor Emeritus of English

WILLIAM CULLEN FRENCH, Ph.D.
Professor Emeritus of Education in Residence

ROBERT FISKE GRIGGS, Ph.D. Professor Emeritus of Botany

GILBERT LEWIS HALL, A.B., LL.B. Professor Emeritus of Law

GEORGE NEELY HENNING, A.M., LITT.D. Professor Emeritus of Romance Languages

WILLIAM JACKSON HUMPHREYS, PR.D., C.E. Professor Emeritus of Meteorological Physics

GEORGE BAIN JENKINS, M.D. Professor Emeritus of Anatomy

JOHN WILMER LATIMER, LL.B.
Professor Emeritus of Law

WILLIAM JOHNSTON MALLORY, A.M., M.D. Professor Emeritus of Medicine

WILLIAM BEVERLEY MASON, M.D.
Professor Emeritus of Oto-rhino-laryngology

JAMES FARNANDIS MITCHELL, A.B., M.D.
Professor Emeritus of Clinical Surgery

WALTER LEWIS MOLL, A.B., LL.B., S.J.D.
Professor Emeritus of Law

EDWARD ELLIOTT RICHARDSON, M.D. TH.D., Ph.D., Professor Emeritus of Philosophy

GEORGE BYRON ROTH, A.B., M.D. Professor Emeritus of Pharmacology

STERLING RUFFIN, M.D., Sc.D.
Prosessor Emeritus of Medicine

"Lebanon" Lorton, Va.

Ontario Apts.

5601 River Rd.

6000 Connecticut Ave. Chevy Chase, Md 1028 Connecticut Ave.

Gaithersburg. Md.

207 Alden Rd. Rosslyn Farm Carnegie, Pa.

1208 N. Wayne St. Arlington, Va.

3720 McKinley St.

Cecil Apts.

30 Gallatin St.

14 Newlands St Chevy Chase, Md.

1720 Connecticut Ave.

2126 Connecticut Ave.

1344 19th St.

Valparaiso University Valparaiso, Ind.

3214 10th Pl. SE.

3814 T St.

Connecticut Apts.

(xxv)

ALFRED FRANCIS WILLIAM SCHMIDT, A.M. 35 Bryant St. Professor Emeritus of Library Science

CHARLES SIDNEY SMITH, Ph.D.
Professor Emeritus of Classical Languages

9914½ Durant Dr. Beverly Hills, Calif. HECTOR GALLOWAY SPAULDING, B.S., LL.B., 1423 Madison St. S.J.D.

Profesor Emeritus of Law

WENDELL PHILLIPS STAFFORD, A.M., LL.B., 1661 Crescent Pl. LL.D., LITT.D.

* Professor Emeritus of Law

THE FACULTY AND STAFF OF INSTRUCTION*

THEODORE JUDSON ABERNETHY, B.S., M.D. 3030 44th St. Assistant Clinical Professor of Medicine

EDWARD CAMPION ACHESON, Ph.D. Associate Professor of Finance

CAROLINE LANDER ADAMS, Ph.D. Associate in Botany

ERRETT CYRIL ALBRITTON, A.B., M.D. Professor of Physiology

LEVI RUSSELL ALDEN, A.M., LL.B. Adjunct Professor of Law

JOHN GAGE ALLEE, JR., A.M. Assistant Professor of English

ANTONIO ALONSO, A.M. Associate Professor of Spanish

LOUIS KATZ ALPERT, B.S., M.D. Adjunct Clinical Professor of Medicine

SEYMOUR ALPERT, A.B., M.D. Instructor in Anesthesiology

HENRY FRED ALVES, A.M. Professorial Lecturer in Education

JAMES FRANCIS AMBURY, B.S., M.D. Clinical Instructor in Medicine

NORMAN BRUCE AMES, M.S., E.E., LL.B. Professor of Electrical Engineering

HARRY FORD ANDERSON, M.D. Professor of Dermatology and Syphilology

WILLIAM STATON ANDERSON, A.B., M.D. Clinical Professor of Pediatrics

WARREN ANDREW, Ph.D., M.D. Professor of Anatomy

JEROME STRAUSS ANTEL, JR., B.S. IN E.E. Instructor in Electrical Engineering

WALTER LOUIS ASLING, A.M. Associate in Physics

RUTH HARRIET ATWELL, A.M. Professor of Physical Education for Women, Director of Women's Athletics

Rolling Valley Vienna, Va.

242 N. Granada St. Arlington, Va.

518 Cumberland Ave. Somerset, Md.

3840 Harrison St.

830 Buchanan St. NE.

5124 45th St.

1323 20th St. S. Arlington, Va.

2120 16th St.

6524 1st St.

1762 N. Troy St. Arlington, Va.

8 Westwood Dr. Westmoreland Hills, Md.

1717 Poplar Lane

1901 Wyoming Ave.

2223 H St.

3629 Jeniser St.

2638 N. Florida St. Arlington, Va.

4268 N. Vacation Lane Arlington, Va.

The University Faculty is composed of the President of the University, the Director of Admissions, the Registrar (who shall not as Secretary of the University Faculty), the Librarian, the Admissions of the Superintendent of the Hospital, and the membership of the several school and college faculties.

JUNE ELIZABETH AYERS, A.B.
Associate in Secretarial Studies

FRANK SOLOMON BACON, B.S., M.D. Clinical Instructor in Medicine

WILLIAM BAGEANT, M.D.
Clinical Instructor in Anesthesiology

WILLIAM OTIS BAILEY, Jr., M.D. Clinical Instructor in Medicine

STANLEY SAMUEL BAITZ, LL.B.
Lecturer in Journalism

*ARNOLD KENT BALLS, Ph.D.
Adjunct Professor of Enzymology

ROBERT HENRY BARTER, M.D.

Adjunct Clinical Professor of Obstetrics and
Gynecology

JEANNE CECILE BATEMAN, A.B., M.D. Clinical Instructor in Medicine

HARRY CLARK BATES, B.S., M.D. Clinical Instructor in Medicine

EMIL HERBERT BAUERSFELD, A.B., M.D. Clinical Instructor in Medicine

RALPH GREGORY BEACHLEY, M.D., Dn. P.H.
Adjunct Professor of Public Health Practice

OTHO THOMPSON BEALL, Ja., A.M. Instructor in English Composition

JOHN WALTER BEARDSLEE III, A.B., B.D.
Assistant Professor of Religion

EDWARD JAMES BEATTIE, JR., M.D. Associate in Surgery

VIRGINIA PATTERSON BEELAR, A.B., M.D. Clinical Instructor in Medicine

JOSEPH BEINSTEIN, A.B., M.D. Clinical Instructor in Medicine

JOHN GORDON BELL, M.D.
Clinical Instructor in Oto-rhino-laryngology

CARVILLE DICKINSON BENSON, A.B., LL.B., S.J.D.

Professor of Law

CARL BERG, M.D.
Assistant Clinical Professor of Orthopedic Surgery

SIDNEY BERMAN, B.S., M.D.

Assistant Clinical Professor of Psychiatry

BERNARD BERNSTEIN, B.S., B.M.E.
Lecturer in Mechanical Engineering

On leave of absence 1949-50.

13 Riggs Rd. NE.

4828 Rodman St.

3754 Jocelyn St.

University Hospital

627 Farragut St.

36 El Camino Real Berkeley, Calif.

Gallinger Municipal Hospital

1229 37th St.

5921 Brook Dr. Falls Church, Va.

4353 Warren St.

3119 17th St. N. Arlington, Va.

Young Hope Farm Upper Marlboro, Md.

6710 46th St. Chevy Chase, Md.

2226 Washington Ave. Silver Spring, Md.

5047 Sedgwick St.

4307 35th St. S. Fairlington, Va.

2633 16th St.

3176 18th St. N. Arlington, Va.

3805 Kanawha St.

2723 Connecticut Ave.

4300 3d St. SE.

SOLOMON RODNEY BERSACK, M.D. Associate in Radiology

LEE SHEWARD BIELSKI, A.M. Instructor in Speech

CATHARINE BIRCH, A.B., M.D.
Clinical Instructor in Oto-rhino-laryngology

CHARLES EDWARD BISH, A.M., ED.D. Professorial Lecturer in Education

BRIAN BLADES, A.B., M.D. Professor of Surgery

CHARLES WATSON BLIVEN, M.S.

Projessor of Pharmacy; Dean of the School of

Pharmacy

WALTER ANDREW BLOEDORN, A.M., M.D., Sc.D.

Professor of Medicine; Dean of the School of Medicine; Medical Director of the University Hospital

LESTER SYLVAN BLUMENTHAL, A.B., M.D., M.S. IN MED. Clinical Instructor in Medicine

HAROLD JEROME BOBYS, A.B.
Lecturer on Pharmaceutical Administration

STERLING BOCKOVEN, M.D. Associate in Ophthalmology

ROBERT WHITNEY BOLWELL, Ph.D.
Professor of American Literature; Chairman of
the Graduate Council

DANIEL LERAY BORDEN, A.M., M.D.
Glinical Professor of Surgery; Director of Health
Administration; University Surgeon

FRANK SPAULDING BORDEN, B.C.E.
Lecturer in Civil Engineering

PAUL WILLIAM BOWMAN, Ph.D. Professor of Biology

JAMES IRVING BOYD, M.D. Lecturer in Medicine

ORTON WELLS BOYD, A.M., C.P.A.
Professorial Lecturer on Accounting

THOMAS BRADLEY, A.B., M.D. Clinical Instructor in Surgery

RALPH BRADY, B.S. IN E.E.
Lecturer in Electrical Engineering

ANDREW JOSEPH BRENNAN, M.D. Clinical Instructor in Medicine

2702 Wisconsin Ave.

1218 Sleepy Hollow Rd. Falls Church, Va.

3032 R St.

14 Duval Dr. Westmoreland Hills, Md.

117 Albemarle St. Westmoreland Hills, Md.

812 Heron Dr. Silver Spring, Md.

4617 Hawthorne Lane

1601 Argonne Pl.

4106 Oakridge Lane Chevy Chase, Md.

1752 Massachusetts Ave.

Southport Silver Spring, Md.

1835 I St.

3611 Chesapeake St.

3114 5th St. N. Arlington, Va.

8200 Marlboro Pike SE.

610 Rolling Rd. Chevy Chase, Md.

1633 29th St.

1509 16th St.

7725 Aberdeen Rd. Bethesda, Md. CARLTON ERNEST BRETT, A.M. Instructor in English Composition

JOHN WITHROW BREWER, Ph.D.
Professor of International Law

ROBERT LEE BRICKHOUSE, B.S., M.D. Clinical Instructor in Medicine

CRENSHAW DOUGLAS BRIGGS, B.S., M.D. Clinical Instructor in Surgery

WILLIAM PAUL BRIGGS, M.S., Sc.D. Professorial Lecturer in Pharmacy

ALBERT SEYMOUR BRIGHT, M.D.
Clinical Instructor in Obstetrics and Gynecology

ALFRED BRIGULIO, M.D.
Clinical Instructor in Medicine; Associate University Physician

FOREST CARLILE BRIMACOMBE, A.M. Lecturer on Accounting

NANCY COOK BROOKS, A.M. Instructor in Spanish

HALLA BROWN, M.D.
Clinical Instructor in Medicine

RADFORD BROWN, M.D.
Clinical Professor of Obstetrics and Gynecology

THOMAS BENIAMIN BROWN, Ph.D. Professor of Physics

THOMAS McPHERSON BROWN, A.B., M.D. Professor of Medicine

STEPHEN BRUNAUER, Ph.D.
Professorial Lecturer in Chemistry

JAMES LEONARD BUCKLER, A.B. Lecturer on Accounting

JOSÉ SYLVADO BUENO, A.M. Associate in Portuguese

JACQUELINE CHEVALLAZ BUHRMAN, A.M. Instructor in French

LLOYD BYRON BURK, JR., M.D. Clinical Instructor in Surgery

FREDERIC GERARD BURKE, B.S., M.D. Clinical Instructor in Pediatrics

JOHN PATRICK BURKE, A.B., LL.B.

Associate Professor of Law

ARTHUR EDWARD BURNS, Ph.D.

Professor of Economics; Acting Dean of the
School of Government

5122 11th St. S. Arlington, Va.

3000 39th St.

4913 Bayard Blvd. Crestwood, Md.

2613 Dumbarton Ave.

6600 7th St.

1726 I St.

8409 16th St. Silver Spring, Md.

8307 16th St. Silver Spring, Md.

1674 Irving St.

387 37th Pl. SE.

3514 Williamsburg Lane

2810 23d St. N. Arlington, Va.

814 26th Pl. S. Arlington, Va.

3417 Quebec St.

2618 N. Quantico St. Arlington, Va.

5331 4th St.

1415 S. George Mason Dr. Arlington, Va.

3104 Russell Rd. Alexandria, Va.

5507 Lambeth Rd. Bethesda, Md.

6027 Ridge Dr. Brookmont, Md.

6521 32d St.

JAMES THEODORE BURNS, M.D.
Clinical Instructor in Medicine
ELIZABETH BURTNER, A.M.
Associate Professor of Physical Education for
Women
FRANK ROBERT BYRNE, M.B.A., LL.M.,
C.P.A.

Lecturer on Accounting
EDWARD ALEXANDER CAFRITZ, M.D.
Associate in Surgery

RAPHAEL DAVID CAHN, B.M.E.
Lecturer in Mechanical Engineering

PAUL CALABRISI, A.M.

Associate Professor of Anatomy
WILLARD CALDWELL, Ph.D.

Assistant Professor of Psychology ROBERT DALE CAMPBELL, A.M.

Associate Professor of Geography
WILLIAM SUTTON CARLEY MS

WILLIAM SUTTON CARLEY, M.S. IN E.E. Associate Professor of Electrical Engineering

JOHN BISSEL CARROLL, Ph.D. Lecturer in Psychology

RICHARD BERNARD CASTELL, A.B., M.D. Clinical Instructor in Medicine; Associate University Physician

WILLIAM PAXSON CHALFANT, Jr., M.D. Clinical Instructor in Ophthalmology

FREDERIC DUNBAR CHAPMAN, A.B., M.D., C.M.

Clinical Instructor in Medicine

WILLIAM WILEY CHASE, A.B., M.D. Clinical Instructor in Surgery

WALTER LYNN CHENEY, Ph.D. Professor of Physics

PAUL CHODOFF, A.B., M.D. Associate in Neurology

ROGER MORRISON CHOISSER, B.S., M.D. Professor of Pathology

ARTHUR CASTNER CHRISTMAN, JR., B.S. Instructor in Physics

CHARLES SEYMOUR COAKLEY, M.D. Assistant Professor of Anesthesiology

ROBERT NORWOOD COALE, B.S., M.D. Clinical Instructor in Medicine

JAMES HAROLD COBERLY, A.M.
Assistant Professor of American Literature

308 Windsor St. Silver Spring, Md.

1514 17th St.

3620 16th St.

1835 I St.

11808 Galt Ave. Wheaton, Md.

257 N. Thomas St. Arlington, Va.

1010 16th St.

1201 S. Barton St. Arlington, Va.

5522 Greenway Dr.

3325 20th Rd. N. Arlington, Va.

Mayflower Hotel

1915 16th St.

1614 44th St.

1813 Parkside Dr.

3509 McKinley St.

4704 Blagden Terrace

4645 Hawthorne Lane

3500 39th St.

1761 Crestwood Dr.

5707 Wisconsin Ave. Chevy Chase, Md.

1835 3d St. NE.

LAURENCE LEE COCKERILLE, M.D. Associate in Obstetrics and Gynecology

MAYNARD IRVING COHEN, A.B., M.D. Clinical Instructor in Pediatrics

NICHOLAS TREPHON COKENIAS, A.M. Associate in German

ELBRIDGE COLBY, Ph.D. Associate Professor of Journalism

CHARLES WILLIAM COLE, Ph.D. Associate Professor of American Literature

HAZEN EUGENE COLE, B.S., M.D. Clinical Instructor in Surgery

CHARLES SAGER COLLIER, A.B., LL.B., S.J.D. 212 Rosemary St. Professor of Law

GERHARD COLM, DR. RER POL. Professorial Lecturer in Economics

DAVID CARL COLONY, JR., B.C.E. Lecturer in Civil Engineering

PETER DIACOUMIS COMANDURAS, B.S., M.D., M.S. Associate Clinical Professor of Medicine

WILLIAM RANDALL COMPTON, M.B.A., LL.B., J.S.D.
Professorial Lecturer in Law

JOSEPH FRANCIS CONLON, D.D.S. Clinical Instructor in Dental Surgery

ROBERT CARTER COOK Lecturer on Genetics

ROBERT McKINNEY COOPER, Ph.M., J.D. Associate Professor of Law

JEAN McQUISTION COOVER, A.M. IN ED. Instructor in Physics

JAMES CHRISTOPHER CORLISS, A.M. Adjunct Professor of Inter-American Economics

IRENE CORNWELL, Ph.D. Associate Professor of French

FRANK DUNCAN COSTENBADER, B.S., M.D. Assistant Clinical Professor of Ophthalmology

THOMAS EWING COTNER, Ph.D. Lecturer in Political Science

RONALD ATMORE COX, A.B., M.D. Assistant Clinical Professor of Ophthalmology; Associate Universitly Physician

4709 49th St.

2440 16th St.

6616 14th St.

2480 16th St.

2747 Ordway St.

639 E. Capitol St.

Chevy Chase, Md.

1615 N. Lexington St. Arlington, Va.

4312 Kaywood Dr. Mt. Rainier, Md.

4427 S. Four Mile Run Dr. Arlington, Va.

McLean, Va.

4708 Cortland Rd. Chevy Chase, Md.

1507 M St.

Stoney Creek Woodrow Ave Bethesda, Md.

2008 G St.

2737 Devonshire Pl.

2126 Connecticut Ave.

4649 Garfield St.

1401 N. Kenilworth St. Arlington, Va.

Box 313 Laurel, Md.

GEORGE BOWDOIN CRAIGHILL, A.B., LL.B. Adjunct Professor of Law	2803 P St.
NORRIS INGERSOLL CRANDALL, M.ARCH. Professor of Art	Baileys Cross Ro ds Alexandria, Va.
GEORGE WILLIAM CRESWELL, A.B., M.D. Assistant Clinical Professor of Dermatology and Syphilology	
JEREMIAH KEITH CROMER, M.D. Clinical Instructor in Obstetrics and Gynecology	3036 Cambridge Pl
Professorial Lecturer in Education	87 Murdock Rd. Baltimore, Md.
EUGENE PITCHER CRONKITE, A.B., M.D. Associate in Medicine	205 E. Hamilton Ave Silver Spring, M.S.
BENJAMIN CARPENTER CRUICKSHANKS, B.S. IN M.E. Professor of Mechanical Engineering	5733 4th St.
LEON RICHARD CULBERTSON, B.S., M.D. Clinical Instructor in Urology	1801 K St.
WILLIAM GREEN CUSHARD, M.D. Clinical Instructor in Psychiatry	703 E. Leland S.
HENRY LAURAN DARNER, A.B., M.D. Clinical Professor of Obstetrics and Gynecology	Chevy Chase, Md. 1028 Connecticut Ave
CARL CALVIN DAUER, A.B., M.D., M.P.H. Assistant Clinical Professor of Medicine	3515 Livingston St.
DAVID DAVIS, A.B., M.D. Associate in Oto-rhino-larymgology; Associate University Physician	4857 Colorado Ave.
EDWARD FRENCH DAVIS, M.S. Associate in Mechanical Engineering	2262 N. Wakefield S. Arlington, Va.
EDWIN WALLACE DAVIS, Ph.D. Lecturer in Psychology	5315 Moorland Lane Bethesda, Md.
WILLIAM JOSEPH GRAHAM DAVIS, A.B., M.D. Clinical Instructor in Cold Instructor	927 17th St.
JAMES FORRESTER DAVISON, A.B., LL.M., S.J.D. Professor of Law	49 Observatory Circle
RODERIC HOLLETT DAVISON, Ph.D. Associate Professor of European History	1670 34th St.
MARTIN STEELE DAY D. D.	

3130 U St.

3221 Patterson St.

MARTIN STEELE DAY, Ph.D.
Assistant Professor of English

BENJAMIN FRANKLIN DEAN, JR., M.S., M.D.

Assistant Clinical Professor of Surgery

VINCENT JAMES DEANGELIS, B.S. IN P.E., A.M. IN Ed. Assistant Professor of Physical Education for Men	2406 George Mason Dr. Arlington, Va.
ALAN THOMAS DEIBERT, A.M. Professor of Romance Languages; Adviser to Students from Foreign Countries	2124 I St.
DEWITT ELMER DELAWTER, M.D. Clinical Instructor in Medicine	4828 Chevy Chase Dr. Chevy Chase, Md.
FRANK LANDT DENNIS, A.B., LL.B. Lecturer in Journalism	3125 Nebraska Ave.
VIRGINIA LORETTA DENNIS, A.M. Assistant Professor of Physical Education for Women	3726 Connecticut Ave.
HERBERT HAROLD DIAMOND, M.D. Clinical Instructor in Pediatrics	7416 Alaska Ave.
PAUL FREDERICK DICKENS, M.D. Clinical Professor of Medicine	4930 Sedgwick St.
WILLIAM DICKINSON, M.S. IN E.E. Assistant Professor of Electrical Engineering	2029 G St.
WILLIAM WEBSTER DIEHL, Ph.D. Adjunct Professor of Mycology	1512 N. McKinley Rd. Arlington, Va.
JAMES CARLTON DOCKERAY, Ph.D. Professorial Lecturer in Business Administration	4120 Woodberry St. University Park, Md.
SAMUEL MAYER DODEK, A.M., M.D. Associate in Obstetrics and Gynecology	2930 Woodland Dr.
HARRYMAN DORSEY, A.B., LL.B. Associate Professor of Law	1523 O St.
HARRY FILMORE DOWLING, A.B., M.D. Clinical Professor of Medicine	2111 Bancroft Pl.
HENRY GRATTAN DOYLE, A.M., LL.D., Litt.D. Professor of Romance Languages; Dean of Columbian College	5500 33d St.
MITCHELL DREESE, Ph.D. Professor of Educational Psychology; Dean of the Summer Sessions	4136 41st St. N. Arlington, Va.
DANIEL MACCABAEUS DRIBIN, Ph.D. Lecturer in Mathematics	4320 4th St. N. Arlington, Va.
JAMES SPENCER DRYDEN, M.D. Clinical Instructor in Ophthalmology	5412 Roosevelt St. Bethesda, Md.
JAMES ANDREW DURHAM, A.B., LL.B., M.B.A. Assistant Professor of Law	712 14th St. Alexandria, Va.
ARRAHAM DUDY D-D	

31-D Ridge Rd. Greenbelt, Md.

ABRAHAM DURY, Ph.D.
Assistant Professor of Physiology

JAMES ALBERT DUSBABEK, M.D.
Associate in Obstetrics and Gynecology

ADDISON McGUIRE DUVAL, M.D. Clinical Professor of Psychiatry

HARRY EAGLE, A.B., M.D.
Adjunct Clinical Professor of Medicine

HENRY DUNLOP ECKER, B.S., M.D. Clinical Instructor in Medicine

*AUGUST GOTTLIEB ECKHARDT, A.B., LL.M. Assistant Professor of Law

JUSTIN LINCOLN EDGERTON, A.B., LL.B.
Professorial Lecturer in Law; Clerk of the Moot
Court

CAREY DEWITT ELDRIDGE, Ph.D. Assistant Professor of Romance Languages

WATSON WILLIAM ELDRIDGE, JR., M.D. Associate in Medicine

WILLIAM LEIGH ELLIS, A.B., LL.M. Lecturer in Law

WALTER BYRON EMERY, LL.B., PH.D. Lecturer in Speech

OTTO ANDERSON ENGH, A.B., M.D. Clinical Instructor in Surgery

GROVER WILLIAM ENSLEY, M.B.A., Ph.D. Lecturer in Economics

JULIUS ROBERT EPSTEIN, M.D.

Clinical Instructor in Obstetrics and Gynecology

WILLIAM HENRY ERSKINE, Ph.D. Lecturer in Mathematics

VICTOR HENRY ESCH, M.D. Instructor in Anatomy

CLAYTON BERNARD ETHRIDGE, M.D. Associate Clinical Professor of Medicine

JOHN McCALLUM EVANS, A.B., M.D. Assistant Clinical Professor of Medicine

RAYMOND PUGH EYMAN, C.E.
Associate Professor of Civil Engineering

DONALD JAMES FARAGE, A.B., LL.B.
Associate Professor of Law

JOHN FARAGO, Ph.D. Lecturer in Chemistry

JOSEPH FRANCIS FAZEKAS, B.S., M.D. Adjunce Clinical Professor of Medicine

* On leave of absence 1949-50.

1844 Randolph St.

St. Elizabeths Hospital

121 Bradley Lane Chevy Chase, Md.

1725 N St.

3006 16th Rd. S. Arlington, Va.

2104 Ross Rd. Silver Spring, Md.

302 Marvin Rd. Silver Spring, Md.

St. Elizabeths Hospital

19 Carvel Rd. Westmoreland Hills, Md.

4407 Elm St. Chevy Chase, Md.

3214 Old Dominion Blvd. Alexandria, Va.

5122 24th St. N. Arlington, Va.

4721 Colorado Ave.

11 Providence Terrace McLean, Va.

814 Maryland Ave. NE.

1801 I St.

8722 Colesville Rd. Silver Spring, Md.

4701 Connecticut Ave.

LaSalle Apts.

6321 Sligo Pkwy. Green Meadows, Md.

1 Stockton Rd. Silver Spring, Md. JAMES JOSEPH FEFFER, A.B., M.D. Associate in Medicine

FREDERICK MORRIS FEIKER, B.S. IN E.E.,

Professor of Engineering Administration; Dean of the School of Engineering

RICHARD LEE FENTON, B.M.E. Lecturer in Mechanical Engineering

EDWARD EGNER FERGUSON, M.D. Clinical Instructor in Urology

AUBREY DAVID FISCHER, M.D. Associate in Oto-rhino-laryngology

DEWITT FISHER, A.M. Associate in Physics

EDWIN MEDBERY FITCH, Pa.D. Lecturer in Economics

LAWRENCE DANIEL FOLKEMER, Ph.D. Associate Professor of Religion; Director of Religious Activities

THEODORE CLAREMONT CHEN FONG, M.D. 1630 Kalmia Rd. Associate in Dermatology and Syphilology

RALPH WALDO FOSTER, A.M. Lecturer in Physical Education

JAMES HAROLD FOX, A.M., Ep.D. Professor of Education; Dean of the School of Education

WILLIAM FRANK, M.D. Clinical Instructor in Medicine

MAURICE FRANKS, M.D. Clinical Instructor in Medicine

CLARENCE KENDALL FRASER, Ph.B., M.D. Associate in Obstetrics and Gynecology

MOSES FREEDMAN, B.S. IN Eng. Lecturer in Civil Engineering

WALTER FREEMAN, Ph.D., M.D. Professor of Neurology

WILLIAM THOMAS FRYER, A.B., LL.B., J.D. 7007 Clarendon Rd. Professor of Law

RALPH EDWARD FUHRMAN, B.S. IN C.E., MIS. Lecturer in Civil Engineering

*GEORGE ANTONY GAMOW, PHYSICS D. Professor of Theoretical Physics

1711 Rhode Island Ave.

1235 34th St.

1118 Meurilee Lane Silver Spring, Md.

1801 I St.

3303 Woodley Rd.

4811 S. 31st St. Arlington, Va.

Route I McLean, Va.

9605 Howard Ave. Bethesda, Md.

602 Park Lane Bethesda, Md.

4301 Jenifer St.

2319 40th Pi.

1105 Trenton Pl. SE.

5040 Sedgwick St.

216 Baden St. Silver Spring, Md.

4501 Linnean Ave.

Bethesda, Md.

5000 Overlook Ave. SW.

19 Thoreau Dr. Bethesda, Md

On leave of absence fall term 1949-50.

JAMES QUINCY GANT, JR., M.S., M.D. Associate in Dermatology and Syphilology

MARGARET MARIE GARRITSEN, Ph.D. Lecturer in Economics

JANE GASS, M.S.
Assistant Professor of Pharmacology and Pharmacognosy

CHARLES EDWARD GAUSS, Mus.B., Ph.D. Elton Professor of Philosophy

HAROLD LORAN GEISERT, PH.D. Professor of Sociology

LEON GERBER, M.D. Clinical Instructor in Surgery

SYLVIA GERBER, A.M. Associate in Classical Languages and Literatures

WALTER HENRY GERWIG, JR., A.B., M.D. Clinical Instructor in Surgery

WILLIAM TRAVIS GIBB, Ja., A.B., M.D. Assistant Clinical Professor of Medicine

EUGENE SOLOMEN GLADSDEN, B.S., M.D. Clinical Instructor in Medicine

JOHN CLIFFORD GOFF, B.M.E. Associate in Mechanical Engineering

•HELEN BARTON GOODWIN, A.M. Lecturer in Education

ERNEST ALVA GOULD, M.D. Clinical Instructor in Surgery

‡WOOD GRAY, PH.D. Professor of American History

CHARLES EDWARD GREELEY, B.S. IN M.E. Assistant Professor of Mechanical Engineering

SAMUEL GREENHOUSE, B.S. Associate in Statistics

BRUCE DOUGLAS GREENSHIELDS, C.E., Ph.D. 2127 California St.

ANGUS MACIVOR GRIFFIN, PH.D. Professor of Bacteriology

EDGAR DEUCHER GRIFFIN, A.B., M.D. Associate in Psychiatry

ROBERT HENRY GROH, B.S., M.D. Associate in Neurology

MABEL HARLAKENDEN GROSVENOR, A.B., 2203 Wyoming Ave.

Assistant Clinical Professor of Pediatrics

On leave of absence 1949-50. Con sabbatical leave fall term 1949-50.

6729 2d St.

22 Old Glebe Rd. Arlington, Va.

3717 Livingston St.

423 S. Lee St. Alexandria, Va.

2115 Pennsylvania Ave.

900 17th St.

4307 38th St.

3263 Beech St.

2002 R St.

5917 14th St.

1352 Taylor St.

124 E. Thornapple St. Chevy Chase, Md.

7603 Wildwood Dr. Takoma Park, Md.

2700 Q St.

4538 34th St. S. Arlington, Va.

5815 13th St.

4103 Davis Pl.

St. Elizabeths Hospital

3215 Rittenhouse St.

	······································
FRED LATIMER HADSEL, Ph.D. Lecturer in Political Science	123 S. Pitt St. Alexandria, Va.
CUSTIS LEE HALL, M.D. Clinical Professor of Surgery	3920 Harrison St.
ROSCOE WILLIS HALL, Ph.B., M.D. Clinical Professor of Psychiatry	St. Elizabeths Hospital
CHARLES ROBERT LEE HALLEY, A.B., M.D. Clinical Professor of Medicine	18 E. Bradley Lane Chevy Chase, Md.
FRANK ERRETT HAMILTON, A.B., M.D., M.S. Adjunct Clinical Professor of Surgery	Walter Reed Gen. Hosp.
RAY LAFOREST HAMON, Ph.D. Professorial Lecturer in Education	4009 Clagett Rd. College Heights, Md.
PAUL EDWARD HANCHETT, Ph.D. Assistant Professor of Economics	1267 New Hampshire Ave.
RAYMOND GEORGE HANKEN, B.S. IN P.E. Assistant Professor of Physical Education for Men	6421 Cedar Dr. Falls Church, Va.
WILLIAM HENRY HANNA, A.B., M.D. Clinical Instructor in Ophthalmology	1801 K St.
IRA BOWERS HANSEN, Ph.D. Professor of Zoology	7812 Custer Rd. Bethesda, Md.
BERNARD LAURISTON HARDIN, Ja., A.B., M.D. Associate in Medicine	1329 Connecticut Ave.
JAMES WILLARD HARKNESS, B.S., Ed.M. Assistant Professor of Chemistry	Route 2, Box 214 Alexandria, Va.
ROBERT HOWE HARMON, A.B., M.D. Associate University Physician	3133 Connecticut Ave.
JEROME BLAINE HARRELL, M.D. Assistant Clinical Professor of Surgery	53 Hamilton St.
FOREST KLAIRE HARRIS, Ph.D. Professorial Lecturer in Electrical Engineering	2124 Tunlaw Rd.
HELEN TAYLOR HARRIS, A.M. Associate in Physical Education for Women	2412 Colston Dr. Silver Spring, Md.
CLARENCE RICHARD HARTMAN, A.B., M.D. Associate in Medicine	2111 Bancrost Pl.
MURRAY HARTMAN, M.S. IN ED. Instructor in English Composition	3556 Macomb St.
RICHARD CATLIN HASKETT, A.M. Assistant Professor of American History	2029 G St.
WILLIAM GAMMON HAYWARD, B.S. IN C.E. Lecturer in Civil Engineering	536 Quintana Pl.
CANNON CHILES HEARNE, A.M. Lecturer in Education	409 N. Irving St. Arlington, Va.
GEORGE FRANCIS HENIGAN, Jr., PH.M. Associate Professor of Speech	4119 36th St. S. Arlington, Va.

CONDER CAYWOOD HENRY, A.B., LL.B. Adjunct Professor of Law

PHILIP FIELD HERRICK, A.B., LL.M. Professorial Lecturer in Law

ROY HERTZ, Ph.D., M.D.
Assistant Clinical Professor of Medicine

HENRY WILLIAM HERZOG, B.S. Comptroller

JULIA ELIZABETH HICKS, A.M. Instructor in Romance Languages

GEORGE ALFRED HIGGINS, M.D. Clinical Instructor in Surgery

JANE FROST HILDER, A.M.
Lecturer in Education; Director of Reading Clinic

ROBERT PELLEY HILL, B.S., M.D. Assistant Professor of Pathology

CLAYTON HOWARD HIXSON, M.D. Associate in Obstetrics and Gynecology

T. WILEY HODGES, M.D.
Clinical Instructor in Orthopedic Surgery

PEARL HOLLY, M.S., M.D. Associate in Medicine

WILLIAM BULTMAN HOLTON, Ph.D. Professorial Lecturer in Chemistry

ALEC HORWITZ, M.S., M.D.
Assistant Clinical Professor of Surgery

AVERETT HOWARD, A.M.
Associate Professor of English Composition

WILLIAM ALLEN HOWARD, A.B., M.D. Clinical Instructor in Pediatrics

*HENRY FURNESS HUBBARD, Ph.D. Adjunct Professor of Psychology

THELMA HUNT, Ph.D., M.D. Projessor of Psychology

PAUL LOUIS ILLG, A.M. Lecturer in Biology

VINCENT MICHAEL IOVINE, B.S., M.D.
Assistant Clinical Professor of Surgery

GEORGE WASHINGTON IRVING, JR., Ph.D. Professorial Lecturer on Proteins

MARGARET IVES, Ph.D. Lecturer in Psychology

CAROLINE JACKSON, A.M., M.D.

Clinical Instructor in Obstetrics and Gynecology

On leave of absence 1949-50.

4322 Argyle Terrace

517 Tennessee Ave. Alexandria, Va.

4612 S. Chelsea Lane Bethesda, Md.

22 Duvall Dr. Westmoreland Hills, Md.

601 18th St.

2720 Wisconsin Ave.

3809 Ingomar St.

2223 H St.

2749 Woodley Pl.

4201 Oakridge Lane Chevy Chase, Md.

2704 36th Pl.

4820 Drummond Ave. Chevy Chase, Md.

2719 Brandywine St.

1 Scott Circle

3900 Cathedral Ave.

6318 32d St.

3700 Massachusetts Ave.

6201 Walhounding Rd. Glen Echo Heights, Md. 2500 Q St.

4901 Lackawanna St. Berwyn, Md.

302 Rucker Pl. Alexandria, Va.

1150 Connecticut Ave.

JOHN WINGFIELD JACKSON, B.S., LL.B.
Adjunct Professor of Law

RICHARD LEE JACKSON, M.D. Clinical Instructor in Surgery

DOROTHY STEINLE JAEGER-LEE, M.D. Assistant Clinical Professor of Pediatrics

RUSSEL JON JANSEN, M.D.
Associate in Obstetrics and Gynecology

GEORGE JAQUET, B.S. IN E.E.
Professorial Lecturer on Engineering Administration

BURNICE HERMAN JARMAN, A.M., ED.D. Professor of Education

WILLIAM DABNEY JARMAN, B.S., M.D. Clinical Instructor in Urology

GEORGE JASZI, Ph.D. Lecturer in Economics

WILLIAM HERNDON JENKINS, M.D. Clinical Professor of Oto-rhino-laryngology

JOE LEE JESSUP, M.B.A.
Professorial Lecturer in Business Administration

WILLIAM FRANKLIN JEWELL III, M.S.

Assistant Professor of Geography

ARLIN REX JOHNSON, Ph.D.
Professorial Lecturer on Marketing

ARTHUR FREDERICK JOHNSON, M.E., Ph.D. Professor of Mechanical Engineering

EVERETT HERSCHEL JOHNSON, Ph.D. Associate Professor of Statistics

FRANCIS EDGAR JOHNSTON, Ph.D. Professor of Mathematics

WILLIAM CRANE JOHNSTONE, JR., Ph.D. Professorial Lecturer in Political Science

ARTHUR WILLIAM JONES, PHAR.G. Instructor in Pharmacy

BENJAMIN CALLOWAY JONES, JR., M.D. Associate in Medicine

CHARLES WILSON JONES, A.B., M.D. Clinical Instructor in Medicine

RUTH ELSIE JONES, A.B.
Instructor in English Composition

WILLIAM McPHEETERS JONES, B.S.
Lecturer on Accounting

WILLIAM CLAYTON JUSTICE, B.S. IN Eng.

Lecturer in Mechanical Engineering

4844 N. Rock Spring Rd. Arlington, Va.

2913 29th St.

425 Greenbrier Dr. Silver Spring, Md.

3015 Ellicott St.

2800 Woodley Rd.

1802 N. Danville St. Arlington, Va.

2230 California St.

6210 Wagner Lane

1150 Connecticut Ave.

704 N. Wayne St. Arlington, Va.

2141 I St.

1707 N. Greenbrier St. Arlington, Va.

Arlington, Va.

3939 Pennsylvania Ave. SE

1835 K St.

3065 University Terrace

4846 Bradley Blvd. Bethesda, Md.

405 Green St. Alexandria, Va.

1629 Columbia Rd.

8002 Blair Mill Dr. Silver Spring, Md.

3031 S. Columbus St. Arlington, Va.

9909 Edgehill Lane Silver Spring, Md. OTAKAR WENCESLAUS KABELAC, M.C.E. Assistant Professor of Mechanical Engineering

ELIZABETH KAHLER, A.M., M.D. Associate University Physician

KENNETH CASPAR KATES, Ph.D. Professorial Lecturer in Zoology

SOL KATZ, B.S., M.D.
Adjunct Clinical Professor of Medicine

SOLOMON KATZENELBOGEN, M.D. Clinical Professor of Psychiatry

MORTON SELWYN KAUFMAN, A.B., M.D. Clinical Instructor in Obstetrics and Gynecology

ELMER LOUIS KAYSER, Ph.D., LLD.

Professor of European History; Dean of the Division of University Students; University Marshal

LOUIS CLARK KEATING, Ph.D. Professor of Romance Languages

EDWARD FREDERICK KELLEY, M.S., Ar.E.,
Lecturer in Mechanical Engineering

HAROLD KELSO, Pr.D.

Professorial Lecturer in Business Administration

ISABELLE KENDIG, Ph.D.

Associate in Psychiatry; Lecturer in Psychology

JOHN ALEXANDER KENDRICK, A.B., LL.B.
Assistant Clerk of the Moot Court

MARVIN HAYNE KENDRICK, M.D. Clinical Instructor in Surgery

RALPH DALE KENNEDY, Ph.D.

Professor of Accounting and Business Administration

ALBERT PRENTICE KENYON, A.M. Associate in Physics

IRVIN KERLAN, B.S., M.D., C.P.H. Clinical Instructor in Medicine

JAMES JOSEPH KERLEY, JR., A.B. IN C.F.. Assistant Professor of Civil Engineering

ISRAEL KESSLER, M.S., M.D. Clinical Instructor in Medicine

MARK KILEY, A.M. IN ENG. Instructor in Civil Engineering

HAYDEN KIRBY-SMITH, B.S., M.D.

Assistant Clinical Professor of Dermatology and
Syphilology

JAMES ROBERT KIRKLAND, A.B., LL.M. Adjunct Professor of Law

4550 Connecticut Ave.

3828 Fulton St.

7102 Rhode Island Ave. College Park, Md.

917 Ridge Rd. Route 1, Annandale, Va.

5904 Connecticut Ave.

4700 Blagden Ave.

2921 34th St.

4414 Dittmar Rd. Arlington, Va.

P. O. Box 562 Alexandria, Va.

Silver Spring, Md.

St. Elizabeths Hospital

173) Connecticut Ave.

1028 Valley Dr. Alexandria, Va.

2528 N. Bu hanan St. Arlington, Va.

3672 Gunston Rd. Alexandria, Va.

1919 19th St.

37° 2 41°t Ave. Cottage City, Md.

721 Decatur St.

2029 G St.

1791 Crestwood Dr.

1519 Underwood St

FRANCES KIRKPATRICK, A.M. Professor of Home Economics

STANLEY WILLIAM KIRSTEIN, M.D. Clinical Instructor in Medicine

ALBERT DAVID KISTIN, A.M., M.D. Associate in Medicine

MORRIS KLEINERMAN, CH.D., M.B. Assistant Clinical Professor of Psychiatry

DONALD CHENOWETH KLINE, B.ARCH. Associate Professor of Art

CALVIN TREXLER KLOPP, A.B., M.D. Assistant Clinical Professor of Surgery

GEORGE MARTIN KOEHL, A.M. Associate Professor of Physics; Assistant Dean in the Junior College

MYRON LAW KOENIG, PR.D. Professor of American History; Dean of the Junior College

FREDERICK HENRY KOHLOSS, B.S. IN M.E. Assistant Professor of Mechanical Engineering

JACOB KOTZ, M.D. Clinical Professor of Obstetrics and Gynecology

WOLFGANG HERBERT KRAUS, Dr. Jun., S.J.D. 3101 Highland Pl. Associate Professor of Political Science

HENRY CHARLES KREBS, A.B. Instructor in Speech

HAROLD WALTER KROGH, D.D.S. Associate in Dental Surgery

JOSEPH HENRY KRUPA, M.S. Associate Professor of Physical Education for Men

PHILIP KRUPEN, A.M. Associate in Physics

SOLOMON KULLBACK, Ph.D. Lecturer in Statistics

*BENJAMIN FRANKLIN KYKER, A.M. Professorial Lecturer in Education

WILLIAM THURSTON LADY, M.D. Clinical Instructor in Obstetrics and Gynecology

STANLEY WALTER LANGE, B.M.E. Associate in Mechanical Engineering

DAVID BULKLEY LANGMUIR, PR.D. Professorial Lecturer in Physics

* On leave of absence 1949-50.

2150 Pennsylvania Ave.

1835 I St.

2650 Wisconsin Ave.

2021 I St.

5805 Chevy Chase Pkwy.

4621 Glenbrook Pkwy. Bethesda, Md.

515 Mansfield Rd. Silver Spring, Md.

1818 N. Lincoln St. Arlington, Va.

5001 Wakefield Rd. Green Acres, Md.

2824 Connecticut Ave.

9th St. and Independence Ave.

1835 I St.

121 W. Cameron Avc. Falls Church, Va

1211 Raum St. NE.

1259 Van Buren St.

Route 3 Vienna, Va.

800 Alabama Ave. SE.

1212 S. Rhodes St. Arlington, Va.

Route 3 Fairfax, Va. CARL LEONARD LARSON, B.S., M.D. Assistant Clinical Professor of Medicine

JOHN FRANCIS LATIMER, Ph.D. Associate Professor of Classical Languages and Literatures

JOHN WILMER LATIMER, JR., M.D. Clinical Instructor in Medicine

HENRY PRATHER LAUGHLIN, B.S., M.D. Assocate in Psychiatry

CARR BARTLESON LAVELL, A.M. Assistant Professor of Sociology; Assistant Dean in the Junior College

CHARLES EDWARD LAW, M.D. Clinical Instructor in Medicine

HELEN BENNETT LAWRENCE, A.M. Associate Professor of Physical Education for

BOLITHA JAMES LAWS, I.L.M. Adjunct Professor of Law

ALFRED HENRY LAWTON, M.D., Pa.D. Assistant Clinical Professor of Medicine

CLARENCE DANIEL LEATHERMAN, Ph.D. Professorial Lecturer in Psychology

JEROME ADDISON LEE, B.S. Lecturer in Electrical Engineering

JOHN GORDON LEE, A.B., M.D., C.M., Med. Sc.D. Adjunct Clinical Professor of Surgery

CHESTER ELWOOD LEESE, PH.D. Professor of Physiology

OSCAR LEGAULT, A.B., M.D. Clinical Instructor in Neurology

LUBIN POE LEGGETTE, A.M. Associate Professor of Speech

WOLFRAM KARL LEGNER, PH.D. Associate Professor of German

RICHARD MARACHE LEIGHTON, Ph.D. Lecturer in History

THOMAS MILES LEONARD, PH.B., M.D. Clinical Instructor in Obstetrics and Gynecology

MARK HUMMER LEPPER, M.D. Clinical Instructor in Medicine

EDWARD LEWIS, M.D. Clinical Professor of Pediatrics

EDWIN LEWIS, M.B.A. Lecturer on Accounting 2 West Dr. Bethesda, Md.

3601 Connecticut Ave.

1835 I St.

6627 East Ave. Chevy Chase, Md.

4304 16th St. S. Arlington, Va.

3348 Valley Dr. Alexandria, Va.

4268 N. Vacation Lane Arlington, Va.

7 Oxford St. Chevy Chase, Md.

5901 Anniston Rd. Bethesda, Md.

3175 17th St. N. Arlington, Va.

3804 Kanawha St.

203 Timberwood Ave. Silver Spring, Md.

704 Butternut St.

1728 Massachusetts Ave.

1505 Timberlane St. Falls Church, Va.

409 N. George Mason Dr. Arlington, Va.

4900 Russell Ave.

2501 33d St. SE.

1604 Oakcrest Dr. Alexandria, Va.

2820 Connecticut Ave.

3500 14th St.

CALVIN DARLINGTON LINTON, Ph.D.
Professor of English Literature; Assistant Dean of
Columbian College

RUTH COYNER LITTLE, Ph.D. Professorial Lecturer in Education

JAMES WALLING LONG, M.D. Clinical Instructor in Medicine

LOUIS LOSS, B.S., LL.B.
Professorial Lecturer in Law

REGINALD SPENCER LOURIE, M.D. Associate in Pediatrics

VICTOR FREDERICK LUDEWIG, A.B., B.S. Superintendent of the University Hospital

CAMILLA PAINTER LUECKE, A.M. Lecturer in Education

FLORENCE MARY LUMSDEN, A.M., ED.D.
Lecturer in Education

JOHN HUGH LYONS, M.S., M.D. Clinical Professor of Surgery

ROSS CLAYTON MACCARDLE, Ph.D. Professorial Lecturer in Anatomy

COLIN MACKENZIE MACKALL, Ph.D. Professor of Chemistry

PAUL BUDD MAGNUSON, M.D.

Adjunct Clinical Professor of Surgery

GEORGE MAKSIM, M.D., M.S. IN PED.
Assistant Clinical Professor of Pediatrics

BENJAMIN MANCHESTER, M.D. Associate in Medicine

EDWARD PERKINS MANGUM, A.M. Assistant Professor of Speech

ALLEN DAILEY MANVEL, A.B. Lecturer on Public Administration

JOHN BAYNE MARBURY, M.D. Clinical Instructor in Medicine

WILLIAM BERRY MARBURY, M.D. Clinical Professor of Surgery

CHARLES LAWRENCE MARKS, A.M. Instructor in Statistics

ELLIOTT DEJARNETTE MARSHALL, LL.B. Adjunct Professor of Law

SHIRLEY SUE MARTIN, M.D.
Clinical Instructor in Obstetrics and Gynecology

CLOYD HECK MARVIN, Ph.D., LL.D.
President of the University

4711 17th St. N. Arlington, Va.

6 Wessex Rd. Silver Spring, Md.

1821 Q St.

10105 McKenney Ave. Silver Spring, Md.

505 W. Thornapple St. Chevy Chase, Md.

University Hospital

1831 P St. SE.

8 Park View Rd. Chevy Chase, Md.

1325 New Hampshire Ave.

2223 H St.

3700 Massachusetts Ave.

3121 O St.

4907 Tilden St.

1701 Varnum St.

2100 I St.

6221 Western Ave.

3724 Davenport St.

2238 Q St.

1603 19th St.

Front Royal, Va.

2120 16th St.

The University

JOHN RUSSELL MASON, B.S. IN L.S., A.M. Librarian; Curator of Art

JOSEPH MARSHALL MATHIAS, A.B., LL.B. Lecturer in Journalism

WILLIAM GRAY McCARTEN, B.S. Associate in Bacteriology

MURIEL HOPE McCLANAHAN, Ph.D. Assistant Professor of English

WILLIAM STANLEY McCUNE, A.B., M.D. Assistant Clinical Professor of Surgery

JAMES JERRY McFARLAND, Jr., B.S., M.D. Clinical Instructor in Oto-rhino-laryngology

JASPER WAYNE McFARLAND, M.D. Clinical Instructor in Physical Medicine

LEWIS WALKE McILHANY, M.S., M.D. Clinical Instructor in Public Health Practice

JOHN ALBERT McINTIRE, A.B., LLB.
Professorial Lecturer in Law

PRESTON ALEXANDER McLENDON, B.S. M.D.
Professor of Pediatrics

HENRY JOHN RUSSELL McNITT, B.S. in Med., M.D.

Associate in Obstetrics and Gynecology

*FLORENCE MARIE MEARS, Ph.D.

Professor of Mathematics

ROBERT RANDAL MEIJER, Ph.D.
Associate Professor of Physics

ROBERTO DANIEL MELENDÉZ, A.B.
Associate in Spanish

WILLIAM CAREY MELOY, M.D., M.S., IN MED. Associate in Surgery

MAURICE MENSH, M.D. Clinical Instructor in Medicine

‡LEROY SORENSON MERRIFIELD, A.B., LL.B., M.P.A. Associate Professor of Law

HOWARD MAXWELL MERRIMAN, Ph.D. Professor of American Diplomatic History

RUDOLPH MICHEL, M.S. IN M.E. Lecturer in Mechanical Engineering

2017 I St.

7424 Wisconsin Ave. Bethesda, Md.

1425 Rhode Island Ave.

2230 California St.

5610 Moorland Lane Bethesda, Md.

1150 Connecticut Ave

1310 Erskine St. Takoma Park, Md.

McLean, Va.

17 Carvel Rd. Westmoreland Hills, Md

2146 Wyoming Ave.

418 Willard Ave. Chevy Chase, Md.

7304 Hampden Lane Bethesda, Md.

1019 21st St. S. Arlington, Va.

405 Delafield Pl.

4420 Edmunds St.

1730 I St.

1422 Martha Custis Dr. Alexandria, Va.

2139 R St.

6518 40th Ave. Unversity Park, Md

^{*} On sabbatical leave winter term 1949-50.

[‡] On leave of absence 1949-50.

HAAREN ALBERT MIKLOFSKY, B.C.E., M.ENG.

Assistant Professor of Civil Engineering

ALBERT RAYMOND MILLER, JR., A.M. Assistant Professor of Economics

BENJAMIN FRANK MILLER, B.S., CHEM. Eng., 2101 Constitution Ave. Clinical Professor of Medicine

FELICIA MILLER, A.M. Instructor in Spanish

RALPH BRETNEY MILLER, M.D. Clinical Instructor in Medicine

MARY BARBARA MILLS, PH.D. Assistant Professor of Biochemistry

JOHN MINOR, A.B., M.D. Associate in Medicine

REGINALD HENRY MITCHELL, M.D. Clinical Instructor in Pediatrics

DANIEL BRUCE MOFFETT, A.B., M.D. Professor of Oto-rhino-laryngology

GEORGE EDWARD MONK, A.B., LL.M. Professorial Lecturer in Law

MALCOLM RICHARDSON MOORE, B.E.E. Lecturer in Electrical Engineering

ROBERT HAMILTON MOORE, PH.D. Associate Professor of English Composition

CECIL WENTWORTH MORGAN, Ph.D. Professorial Lecturer in Physical Education

JAMES WARD MORRIS, A.B. Adjunct Professor of Law

WILLIAM ROSS MORRIS, M.D. Associate in Surgery

DOROTHY JEANNE MORROW, M.S. Lecturer in Statistics

EDITH ELIZABETH MORTENSEN, Ph.D. Assistant Professor of Zoology

JAMES NORMAN MOSEL, A.M. Assistant Professor of Psychology

ARTHUR JAMES MOUROT, B.S., M.D. Clinical Instructor in Surgery

LLOYD HARVEY MOUSEL, M.S., M.D. Professor of Anesthesiology

VERA LILLIAN MOWRY, A.M. Assistant Professor of English

2029 G St.

1318 19th St.

2918 18th St.

3825 Woodley Rd.

4801 Connecticut Ave.

2030 R St.

7824 Wisconsin Ave. Bethesda, Md.

4344 Hawthorne St.

10 Franklin St. Kensington, Md.

\$621 Greenway Pl. Alexandria, Va.

2029 G St.

4826 28th St. S. Arlington, Va. Westchester Apts.

3040 Garrison St.

2115 F St.

4444 Faraday Pl.

3600 Cameron Mills Rd. Alexandria, Va.

811 Prince St. Alexandria, Va.

5401 Allen Rd. Westgate

1809 G St.

WALTER JULIUS MUELLER, Ph.D. Lecturer in German

SAM CLARK MUNSON, M.S.
Assistant Professor of Biology

JAMES OLIVER MURDOCK, Ph.B., LL.B. Projessor of Law

JAMES PETER MURPHY, B.S., M.D. Associate in Neurological Surgery

FRANCIS JAMES MURRAY, A.B., M.D. Clinical Instructor in Medicine

FRANK HAMMETT MYERS, LL.M. Adjunct Professor of Law

WALTER KENDALL MYERS, B.S., M.D.
Assistant Clinical Professor of Medicine

WILLIAM HENRY MYERS, A.M.
Professor of Physical Education for Men

CHARLES RUDOLPH NAESER, Ph.D. Professor of Chemistry

CARMON ROBERT NAPLES, B.S., M.D. Clinical Instructor in Ophthalmology

EDWIN DEFREES NEFF, M.S. Lecturer in Journalism

ERWIN ELLIS NELSON, M.D., Ph.D.

Adjunct Clinical Professor of Pharmacology

NELS DAVID NELSON, Ph.D.
Assistant Professor of Mathematics

RUTH SHRYHOCK NELSON, A.M. Instructor in English Composition

FRED EVERETT NESSELL, A.B. Registrar; Secretary of the Faculties

JULIUS SALEM NEVIASER, A.B., M.D.
Assistant Clinical Professor of Orthopedic Surgery

JOSEPH NEY, B.S., M.D.
Clinical Instructor in Medicine

PHYLLIS ANNETTE NICHOLS, A.M. Assistant Professor of English

MARGARET MARY NICHOLSON, A.B., M.D. Clinical Professor of Pediatries

ANDREW ANTHONY NILLES, A.B., LL.B. Associate in Speech

AARON NIMETZ, A.B., M.D.
Assistant Clinical Professor of Pediatrics

GEORGE NORDLINGER, A.B., M.D. Associate in Obstetrics and Gynecology

4509 S. Capitol St.

7761 Emerson Rd. West Lanham Hills, Hyattsville, Md.

1824 23d St.

2014 R St.

532 20th St.

3754 McKinley St.

3011 45th St.

315 Whittier St.

172 N. Columbus St. Arlington, Va.

1746 K St.

3723 Holmes Lane Alexandria, Va.

4422 Dittmar Rd. Arlington, Va.

1322 15th St.

Falls Church, Va.

4517 Western Ave.

1918 K St.

1104 N. Pitt St. Alexandria, Va.

5900 Dalecarlia Pl.

1000 Maryland Ave. NE.

4826 29th St. S. Fairlington, Va.

5501 16th St.

1735 New Hampshire Ave.

DANIEL REMSEN NORTON, Ph.D. Assistant Professor of Chemistry

JOEL NORTON NOVICK, M.S., M.D. Clinical Instructor in Oto-rhino-laryngology

LUTHER BERTRAM NYE, JR., B.E. Lecturer in Mechanical Engineering

ROGER O'DONNELL, Jn., A.B., M.D. Associate in Obstetrics and Gynecology

MONTELL ERNEST OGDON, Pu.D.
Professorial Lecturer in Business Administration

THOMAS ALVIN O'HALLORAN, B.E.E. Lecturer in Electrical Engineering

SAUL CHESTERFIELD OPPENHEIM, A.M., J.D., S.J.D., Professor of Lase

CHARLES WILLIAM ORDMAN, A.B., M.D. Associate in Medicine

HERMAN ISRAEL ORENTLICHER, A.B., LL.B.
Associate Professor of Law

GILBERT OTTENBERG, A.M., M.D. Associate in Urology

WINFRED OVERHOLSER, A.B., M.D., Sc.D. Professor of Psychiatry

RICHARD NORMAN OWENS, Ph.D., C.P.A.

Professor of Accounting and Business Administration

EDWARD PEARSON PARKER III, B.S., M.D. Clinical Instructor in Medicine

HOWARD POPE PARKER, A.B., M.D. Associate in Obstetrics and Gynecology

KATHERINE ELIZABETH PARKER, A.M., M.D.

Clinical Instructor in Obstetrics and Gynecology

JOHN PARKS, M.S., M.D.
Professor of Obstetrics and Gynecology

LELAND WILBUR PARR, Ph.D. Professor of Bacteriology

JOHN HOWELL PEACOCK, B.S., M.D. Clinical Instructor in Pediatrics

JED WILLIAMS PEARSON, JR., A.B., M.D. Clinical Instructor in Obstetrics and Gynecology

THOMAS MARTIN PEERY, A.B., M.D.

Associate Professor of Pathology; Director of
Petroaduate Instruction; Director of Laboratories in University Hospital

1903 H St.

1726 I St.

3002 32d St.

5265 Watson St.

501 Dorchester Rd. Falls Church, Va.

223 N. Little Falls Rd. Falls Church, Va.

3029 () St.

1726 M St.

5917 14th St.

1415 Holly St.

St. Elizabeths Hospital

3113 Key Blvd. Arlington, Va.

1619 30th St.

4919 Palisades Lane

"Lebanon" Lorton, Va.

4410 Dexter St.

4447 Volta Pl.

2032 Belmont Rd.

1571 44th St.

226 Belle Haven Rd. Alexandria, Va. THOMAS JOSEPH PEKIN, M.D. Clinical Instructor in Medicine

THEODORE PETER PERROS, B.S. Instructor in Chemistry

LEONARD THEODORE PETERSON, A.B.,
B.S., M.D. Assistant Clinical Professor of Orthopedic Surgery

CALVIN WEIR PETTIT, PH.M. Assistant Professor of Speech

VERNON DAVID PETTIT, B.S., M.D. LIEUTENANT COLONEL, MEDICAL CORPS. UNITED STATES ARMY Professor of Military Science and Tactics

EMMA SUE PHELPS, A.M. Instructor in Speech

BERNATH EUGENE PHILLIPS, Ph.D. Professorial Lecturer in Physical Education

EWING LAKIN PHILLIPS, Ph.D. Assistant Professor of Psychology

GEORGE PIDA, B.E.E. Associate in Electrical Engineering

ANDREW GABRIEL PRANDONI, B.S., M.D. Associate in Medicine

CATHARINE WATKINS PRENTISS, B.S. Instructor in Psysical Education for Women

KARL RHORER PRICE, A.B., LL.B. Professorial Lecturer in Law

NEEL JACK PRICE, B.S., M.D. Instructor in Obstetrics and Gynecology

MAURICE PROTAS, A.B., M.D. Associate in Medicine

MERLE IRVING PROTZMAN, Ph.D. Professor of Romance Languages

LAWRENCE ELIAS PUTNAM, A.B., M.D. Associate in Medicine

PAUL STIRLING PUTZKI, M.D. Clinical Protessor of Surgery

HERBERT PERCY RAMSEY, A.B., M.D. Clinical Professor of Obstetrics and Gynecology

CHARLES RAVITSKY, M.S. IN Ed. Associate in Physics

JOHN ALTON REED, A.B., M.D. Assistant Clinical Professor of Medicine

*JOHN PALMER REESING, Jr., A.M. Assistant Professor of English

On leave of absence 1949-50.

2650 Wisconsin Ave.

5825 3d Pl.

3268 Arcadia Pl.

Apt. 32

2760 Devonshire Pl. 3313 20th Rd. N. Arlington, Va.

2107 I St.

5823 14th St.

1815 F St.

2004 S. Randolph St. Arlington, Va.

2025 I St.

4920 Palisades Lane

809 Great Falls St. Falls Church, Va.

4203 Russell Ave. Mt. Ramier, Md.

4807 Colorado Ave.

2500 S. Eads St. Arlington, Va.

4834 MacArthur Blvd.

1835 I St.

3000 Tilden St.

5408 1st Pl.

1720 Conn. Ave.

MADALINE KINTER REMMLEIN, Ph.D., J.D.
Lecturer in Education

FREDERICK A. REUTER, M.D. Professor of Urology

JUNE COOPER REYNOLDS, A.M. Associate in Botany

JACK JACOB RHEINGOLD, A.B., M.D. Clinical Instuctor in Medicine

CHARLES SYLVANUS RHYNE, LL.B.
Professorial Lecturer in Law

DAVID LUCIAN RICE, B.S. IN PHAR.
Instructor in Hospital Pharmacy

DUANE CASE RICHTMEYER, A.B., M.D. Clinical Instructor in Surgery

BARTON WINTERS RICHWINE, M.D. Associate in Obstetrics and Gynecology

ARCH LOCKHART RIDDICK, B.S., M.D. Clinical Professor of Surgery

FLOYD MILLARD RIDDICK, Ph.D. Lecturer in Political Science

HUGO VICTOR RIZZOLI, A.B., M.D. Clinical Instructor in Neurological Surgery

MARY LOUISE ROBBINS, Ph.D.

Assistant Professor of Bacteriology

JOSEPH HYRAM ROE, Ph.D. Professor of Biochemistry

FLOYD STERLING ROGERS, M.D.
Clinical Instructor in Obstetrics and Gynecology

GRETCHEN LOUISA ROGERS, Ph.D. Associate Professor of German

AUSTIN BERTRAM ROHRBAUGH, Jr., M.D. Clinical Instructor in Orthopedic Surgery

RUFUS MARTIN ROLL, A.B., M.D. Chnical Instructor in Obstetrics and Gynecology

MONROE JAMES ROMANSKY, A.B., M.D. Associate Professor of Medicine

WALTER JOSEPH ROMEJKO, M.D. Clinical Instructor in Ophthalmolgy

BLAKE SMITH ROOT, A.M., Ed.D.

Associate Professor of Education

MARY CARMAN ROSE, A.M. Associate in Philosophy

MORRIS HIRSH ROSENBERG, A.B., M.D. Clinical Instructor in Medicine

606 Fontaine St. Alexandria, Va.

5170 Tilden St.

425 Willard Ave. Chevy Chase, Md.

1601 Argonne Pl.

5721 32d St.

4202 N. Henderson Rd. Arlington, Va.

4401 Dexter St.

3306 Rittenhouse St.

2900 Glover Dr.

Manassas, Va.

2025 I St.

4913 Chevy Chase Blvd. Chevy Chase, Md.

1352 Jefferson St.

1150 Connecticut Ave.

2124 I St.

4816 Wellington Dr. Bethesda, Md.

2800 Wondley Rd.

8027 Eastern Ave. Silver Spring, Md.

1615 Kenyon St.

412 N. Thomas St. Arlington, Va.

4434 20th St. N. Arlington, Va.

9915 Tenbrook Dr. Silver Spring, Md.

Staff of Instruction		
LOUIS ROSS, M.D.		
Connical Instructor in Medicine	129 Kennedy St.	
SIDNEY ROSS, M.D. Glinical Instructor in Pediatrics	3118 16th St.	
Clinical Instructor in Malinia.	812 N. Edgewood St. Arlington, Va.	
JOHN HOWELL ROWLAND, LL.B. Associate in Physical Education for Men MARSHALL DEGRAFFENRIED RUFFIN, B.S., M.D.	3309 S. Stafford St. Fairlington, Va.	
Associate in Psychiator	1835 I St.	
Associate Professor of Education, A.M., Ed.D.	2033 F St.	
Lecturer in Education	3133 Connecticut Ave.	
JOSEPH FRANCIS SADUSK, JR., A.B., M.D. Adjunct Clinical Professor of Medicine WILLIAM FREDERICK SAGER, Ph.D. Assistant Professor of Chemical Professor	134 S. Virginia Ave. Falls Church, Va.	
Assistant Professor of Chemistry	3901 Livingston St.	
Associate Clinical Pentagone, M.S., M.D.	4428 Edmunds St.	
Clinical Instructor in M. J.	1103 16th St.	
A.B., M.D. Clinical Instructor in Particular	1211 Jefferson St.	
Assistant Clinical Professor of Ch., M.D.	4911 Quebec St.	
B.S. IN PHAR. Assistant Professor of Pharmacourists	2029 G St.	
WILLIAM JOHN SCHEWE, A.B., B.S. IN MED., M.D. Instructor in Pathology	8403 16th St. Silver Spring, Md.	
H. F. ARTHUR SCHOENFELD, A.M. Professorial Lecturer on European Diplomatic	3301 36th St.	
HERBERT HERMANN SCHOENFELD, M.D.	1726 I St.	
Associate in Theatre	2000 16th St.	
ALVIN RAYMOND SCHWAR BS MC		
Clinical SCHWARTZ AR MD	Silver Spring, Md.	
Clinical Instructor in Medicine	805 Lee Blvd. Arlington, Va.	

LOUISE PACKER SEAGER Associate in Physical Education for Women	1532 16th St.
WILLIAM HENRY SEBRELL, Ja., M.D. Professorial Lecturer on Nutrition	7119 Marion St. Bethesda, Md.
MYRNA PAULINE SEDGWICK, A.B. Administrative Secretary	2806 36th Pl.
EDWARD HENRY SEHRT, Ph.D. Professor of German	2811 35th St.
HYMAN DAVID SHAPIRO, M.D. Assistant Clinical Professor of Neurology	2025 R St.
SAMUEL HAZEN SHEA, M.D. Clinical Instructor in Obstetrics and Gynecology	5033 Glenbrook Terrace
HENRY DAVIDSON SHELDON, Ph.D. Lecturer in Sociology	2821 31st St. SE.
LUTHER SHELDON, Jr., M.D. REAR ADMIRAL, RETIRED, MEDICAL CORPS, UNITED STATES NAVY University Physician	3203 Cleveland Ave.
ERNEST SEWALL SHEPARD, A.M. Professor of English Literature	203 Lawton St. Falls Church, Va.
ERNEST ALFRED WATSON SHEPPARD, M.D., C.M. Professor of Ophthalmology	1801 K St.
DWIGHT EDWARD SHYTLE Lecturer in Electrical Engineering	609 McNeill Rd. Silver Spring, Md.
SAMUEL ALEXANDER SILK, PHAR.G., M.D. Associate in Psychiatry	St. Elizabeths Hospital
RAYMOND STEVENS SMETHURST, B.S., LL.B. Professorial Lecturer in Law	5042 Lowell St.
LYMAN BRADFORD SMITH, Ph.D. Professorial Lecturer on Taxonomy	41 W. Washington St. Kensington, Md.
NEWBERN SMITH, M.S. IN E.E., Ph.D. Professorial Lecturer in Electrical Engineering	5009 Keystone Ave. Bethesda, Md.
PAUL KENNETH SMITH, Ph.D. Professor of Pharmacology	4323 Murdock Mill Rd.
WALDO EDWARD SMITH, B.E., M.S. IN C.E. Professorial Lecturer in Civil Engineering	3907 Jocelyn St.
CARMEL MIRIAM SNOW, B.S. IN PHAR. Instructor in Hospital Pharmacy	3828 Florence Dr. Alexandria, Va.
LUTHER HENRY SNYDER, A.B., M.D. Clinical Instructor in Medicine	3640 Everett St.
ELMER BOYD STAATS, Ph.D.	4674 Garfield St.

Professorial Lecturer on Public Administration
WILLIAM WOODROW STANBRO, M.D.
Associate Professor of Radiology

406 Wilson Lane Bethesda, Md IRA ERNEST STEELE, B.B.A. Lecturer on Accounting

EDWIN LOCKWOOD STEVENS, A.M. Assistant Professor of Speech

ROBERT BURNS STEVENS, A.B. Associate in Speech

ROBERT MALCOLM STEWART, B.S. Instructor in Physics

CHARLES FREDERICK STIEGLER, A.B., M.D. Clinical Instructor in Pediatrics

JONATHAN DAYTON STODDART, A.M. Instructor in Political Science

MYER HAROLD STOLAR, B.S., M.D. Clinical Instructor in Medicine

GEORGE WINCHESTER STONE, JR., PH.D. Professor of English Literature

MICOLLIUS NOEL STOW, M.D., D.M.S. Clinical Instructor in Ophthalmology

GEORGE FRANCIS STROLLO, B.S. IN C.E.,

Lecturer in Civil Engineering

DONALD HARRISON STUBBS, A.M., M.D. Clinical Professor of Anesthesiology

SAMUEL JACOB NATHAN SUGAR, PHAR.G., Clinical Instructor in Medicine

RAFAEL SUPERVÍA, DOCTOR EN DERECHO Assistant Professor of Spanish

EDITH SHORES SURREY, A.M. Instructor in Speech

HAROLD GRIFFITH SUTTON, M.S. Professor of Finance; Director of Admissions

LEWIS KAIGLER SWEET, A.B., M.D. Adjunct Clinical Professor of Pediatrics

SAMUEL ROSS TAGGART, M.D. Assistant Clinical Professor of Medicine

ASRIEL TARAGIN, B.E. Lecturer in Civil Engineering

MARJORIE TATE, A.M. Assistant Professor of Physical Education for

JAMES HENRY TAYLOR, Ph.D. Professor of Mathematics

ROBERT GEORGE TAYLOR, M.D. Clinical Instructor in Medicine

4663 36th St. S. Arlington, Va.

2711 Terrace Rd. SE.

2008 G St.

1616 N. Edgewood St. Arlington, Va.

101 S. Virginia Ave. Falls Church, Va.

4508 S. 34th St Fairlington, Va.

2913 M St.

4 Buchanan St. McLean, Va.

1746 K St.

4116 N. Henderson Rd. Arlington, Va.

305 Mansion Dr. Alexandria, Va.

4218 28th St. Mt. Rainier, Md.

3879 Rodman St.

8900 Walden Rd. Silver Spring, Md.

105 W. Underwood St. Chevy Chase, Md.

817 W. Broad St. Falls Church, Va.

3269 Worthington St.

434 Ingraham St.

3726 Connecticut Ave.

Route 5 Rockville Pike Rockville, Md. 1603 Van Buren St. WILLIAM DANDRIDGE TERRELL, Jr., M.D. Clinical Instructor in Obstetrics and Gynecology

JOHN NEWELL TEVIS, A.M.
Associate in Physics

LAWRENCE JAY THOMAS, B.S., M.D. Associate in Medicine

CHARLES WATERS THOMPSON, M.D. Clinical Instructor in Medicine

RICHARD KNIGHT THOMPSON, D.D.S.
Associate in Dental Surgery

RONALD BETTES THOMPSON, A.B.
Assistant Professor of European History

THOMAS CARLTON THOMPSON, B.S., M.D. Clinical Professor of Urology

JOHN ALBERT TILLEMA, Pu.D., LL.M., S.J.D.
Professor or Political Science

JOHN ETTINGER TOMPKINS, A.B.
Associate in Physics

LOUIS WILLIAM TORDELLA, Ph.D. Lecturer in Mathematics

WILLIAM GEORGE TORPEY, Pu.D. Lecturer on Public Administration

KATHRYN MILDRED TOWNE, A.M. Associate Processor of Home Economics

FRANCIS GERALD TOYE, B.S. IN E.E., LL.B. Professorial Lecturer in Law

CARLETON RAYMOND TREADWELL, Ph.D.

JOHN WATKINS TRENIS, AB, MD.
Associate in Medicine

LEONARD ADOLPH TROPIN, A.B.
Instructor in English Composition

ALDO PETER TRUANT, A.B. Instructor in Pharmacology

ROBERT GAY TRUMBULL, BS. IN C.E. As restate Processor at Mechanical Engineering

FRED SALISBURY TUPPER, Pu.D. Professor of English Literature

WILLIAM LEWIS TURNER, A.M.
Associate Professor of English; Assistant Dean
of the Junior College

CURTIS EDWARD TUTHILL, Ph.D. Associate Professor of Psychology

5082 Lowell St.

2502 Lee Hwy. Arlington, Va.

8019 Eastern Ave. Silver Spring, Md.

1851 Columbia Rd.

1835 I St.

717 21st St.

2032 16th St.

1903 N. Harvard St. Arlington, Va.

729 N. Barton St. Arlington, Va.

3620 39th St.

810 Grandview Dr. Bever'v Hills Alexandria, Va.

2150 Pennsylvania Ave.

1817 Sudbury Rd.

Lee Gardens Arlington, Va.

1150 Connecticut Ave.

2029 G St.

1121 24th St.

3705 Gunston Rd. Alexandria, Va.

2320 N. Vernon St. Arlington, Va.

2202 Washington Ave. Silver Spring, Md.

5612 24th St. N. Arlington, Va.

HARRIET ELIZABETH TWOMBLY, A.B., M.D. Associate in Psychiatry	St. Elizabeths Hospital
ELIZABETH JUNE UELSMANN, A.M. Instructor in Spanish	1407 N. Illinois St. Arlington, Va.
BENJAMIN DOUGLASS VAN EVERA, Pu.D. Professor of Chemistry; Coordinator of Scientific Activities	2124 I St.
HOMER KING VANN, A.B., M.D. Clinical Instructor in Oto-rhino-laryngology	1811 Sudbury Rd.
WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D., LL.D. Professor of Law	4120 Harrison St.
ALBERTO VÁZQUEZ, Pn.D. Lecturer on Spanish American Literature	5721 11th Rd. N. Arlington, Va.
ALICE SYLVIA VENEZKY, A.M. Instructor in English Composition	4719 8th St
DOROTHY HELENE VEON, Ep.D. Assistant Professor of Secretarial Studies	4607 Connecticut Ave
ROBERT CORBIN VINCENT, Ph.D. Associate Professor of Chemistry	1705 Surrey Lane
DOROTHY EMILY VOSS, ED.B., R.P.T.T. Instructor in Physical Medicine	2223 H St.
EDGAR STOVER WALKER, B.S. IN C.E. Lecturer in Civil Engineering	5112 Watson S:
Leverne Crabtree Walker, A.M. Lecturer in Education	3107 South St.
Associate in Radiology	5608 Overlea Rd.
CARL HUGO WALTHER, B.E., M.C.E. Professor of Civil Engineering: Assistant Dean of the School of Engineering	1337 27th St.
JOHN AUGUSTINE WASHINGTON, A.B., B.S., M.D. Assistant Clinical Protessor of Pediatrics	5059 Glenbrook Terrace
Professor of Economics	Route 1 Vienna, Va.
JAMES WINSTON WATTS, B.S., M.D. Professor of Neurological Surgery	4661 Garfield St
Associate in Electrical Engineering	1473 Irving St.
GEORGE DAVIS WEICKHARDT, M.D.	St. Elizabeths Hospital
FRANK MADE WELLS	

7130 Hampden Lane Bethesda, Md.

FRANK MARK WEIDA, Ph.D. Professor of Statistics

JACOB JOSEPH WEINSTEIN, B.S., PHAR.G., M.D.

Associate in Surgery

CARL HUNT WELLS, B.S., M.1).
Associate Professor of Pathology

WARREN REED WEST, Ph.D.
Professor of Political Science; Dean of the
Division of Special Students

JOACHIM WEYL, Pu.D. Lecturer in Mathematics

RUTH HECHLER WICHELHAUSEN, M.D. Associate in Medicine

THOMAS ARTHUR WIGGINS, B.S.
Associate in Physics

ALVA CURTIS WILGUS, Ph.D.
Prolessor of Latin American History

RICHARD WALLACE WILKINSON, M.S., M.D. Associate in Ophthalmology

WENDELL MELVIN WILLETT, M.D.
Clinical Instructor in Dermatology and Syphilology

EARL LARKIN WILLIAMS, A.M. Lecturer in Mathematics

EDITH LOUISE WILLIAMS, A M.
Instructor in English Composition

JONATHAN MASHALL WILLIAMS, M.D. Glinical Instructor in Neurological Surgery

OHN BREWSTER WILLIS, B.S. IN M.E. Lecturer in Mechanical Engineering

JOHN TODD WILSON, Pn.D. Assistant Professor of Psychology

MEREDITH CHESTER WILSON, B.S.
Adjunct Professor of Education

IRVING WOLFE WINIK, M.D. Accordate in Medicine

CHARLES SAMUEL WISE, BS. M.D.
Associate Professor of Physical Medicine

WILLIAM ADRIANCE WITHINGTON, A.M. Instructor in Geography

REUBEN ESSELSTYN WOOD, Ph.D.
Assistant Professor of Chemistry

HENRY HARCUS WORK, A.B., M.D. Associate in Periatrics

SAMUEL NATHANIEL WRENN, Ph.D. Projessor at Chemistry

KENNETT WILLIAM YEAGER, Ph.D. Assistant Processor of Sociology

1611 Park Rd.

5529 Manning Dr. Bethesda, Md. 5020 Sedgwick St.

Route 3 Fairfax, Va. 2231 California St.

1660 Lanier Pl.

3221 Cambridge Pl.

1419 Whittier St.

4000 Cathedral Ave.

Box 177 Gaithersburg, Md.

4720 32d St. N. Arlington, Va.

705 Highland Ave.

127 Kingsley Ave. Bethesda, Md.

1830 K St.

3005 S. Dakota Ave. NE.

2111 Bancroft Pl.

4120 1st St. SE.

2024 O St.

2801 Pennsylvania Ave SE.

5106 Columbia Pike Arlington, Va.

3130 5th St. N. Arlington, Va.

3116 Livingston Terrace SE.

LAWSON EDWIN YOCUM, Ph.D. Professor of Botany

*DONNELL BROOKS YOUNG, Ph.D. Professor of Zoology

RALPH AUBREY YOUNG, M.B.A., Ph.D. Professorial Lecturer in Economics

HYMAN IOSEPH ZIMMERMAN, A.B., M.D. Clinical Instructor in Medicine

4509 Western Ave.

7128 Hampden Lane Bethesda, Md

2836 Chesapeake St.

5351 Quincy Pl Bladensburg, MJ.

SEMINAR LECTURERS

PHARMACY

FREDERICK JOHN CULLEN, PHARG., M.D. Professorial Lecturer on Drug Manufacture

JAMES JOHNSON DURRETT, M.S., PHAR.G., M.D. Professorial Lecturer on Drug Control Problems

ROBERT PHILIP FISCHELIS, B.S., PHAR.D.,

Professorial Lecturer on Pharmaceutical Organizations

CARSON PETER FRAILEY, PHAR D., Sc.D. Professorial Lecturer on Industrial Pharmacy

IAMES ALBERT HORTON, LL.B
Professorial Lecturer on Drug Trade Regulations

JOHN CHRISTIAN KRANTZ, JR., Ph.D.
Professorial Lecturer on Pharmaceutical Research

GEORGE POTTER LARRICK
Professorial Lecturer on Drug Control

JUSTIN LAWRENCE POWERS, Pu.D.

Professorial Lecturer on Official Drug Standards

ROBERT LEE SWAIN, PHAR D., LL.B. Pro'essorial Lecturer on Contemporary Pharmacy 810 18th St.

Route 1 Hyattsville, Md.

2215 Constitution Ave.

37 4 Livingston St.

Westchester Apts.

Ellingham Rd. Ruxton, Md.

4841 30th St. N. Arlington, Va.

833 S. Barton St. Arlington, Va.

330 W. 42d St. New York City

MEDICINE

CHARLES ARMSTRONG, B.S., M.D., Sc.D. Professorial Lecturer in Preventive Medicine

JAMES EARLE ASH, JR., M.D.

Professorial Lecturer in Pathology

SARA ELIZABETH BRANHAM, Ph.D., M.D.

Professorial Lecturer in Preventive Medicine

ROBERT CARTER COOK
Professorial Lecturer on Medical Genetics

MOLLA EUGENE DYER, AB. MD., LL.D.

Professorial Lecturer in Preventive Medicine

On subtratical leave winter term 1949-50.

7005 Meadow Lane Chevy Chase, Md

840: Dixon Ave. S. ver Spring, Md.

5523 Johnson Ave. Bethesda, Md.

1507 M St.

12 North Dr. Bethesda, Md CHESTER WILSON EMMONS, Ph.D. Professorial Lecturer on Medical Mycology

ROBERT HANNA FELIX, M.D., M.P.H.
Projessorial Lecturer on Mental Hygiene

WALLACE HARRY GRAHAM, B.S., M.D. Professorial Lecturer in Surgery

JOHN RODERICK HELLER, Jr., B.S., M.D.
Professorial Lecturer on Venereal Disease Control

ELSON BOWMAN HELWIG, B.S., M.D. Professorial Lecturer in Pathology

CARL JOHN LAUTER, M.S.
Professorial Lecturer on Municipal Sanitation

HENRY RAPPAPORT, M.D.
Professorial Lecturer in Pathology

ROYD RAY SAYERS, A.M., M.D.
Professorial Lecturer on Industrial Hygiene

HANS FRANK SMETANA, M.D.
Professorial Lecturer in Pathology

NORMAN HAWKINS TOPPING, AB, M.D.
Professorial Lecturer on Rickettsial Diseases

WILLARD HULL WRIGHT, D.V.M., Ph.D. Professorial Lecturer on Medical Zoology

CLARK HARVEY YEAGER, M.D., DR.P.H. Pro'essorial Lecturer on Tropical Medicine

Route 2 Rockville, Md.

Bethesda, Md.

The White House

8615 Lynnbrook Dr. Bethesda, Md.

14 West Maple St. Alexandria, Va.

5902 Dalecarlia Pl.

1466 Belmont St.

607 Orinoco St. Alexandria, Va.

6100 14th St.

10 North Dr. Bethesda, Md.

6624 32d Pl.

13 Midvale Rd. Baltimore, Md.

ASSISTANTS

ASSISTANTS IN RESEARCH AND INSTRUCTION

RUTH BENEDICT, A.B., M.D.

Teaching Fellow in Cardiology

SAMUEL PAUL BESSMAN, M.D. Fellow in Pediatries

ESTON ROBERT CALDWELL, BS, M.D. Research Fellow in Medicine

JOSEPH AUGUSTINE CONNOR, JR., M.D. Teaching Fedow in Medicine

CLEM CASPER CROSSLAND, Jr., M.D. Fellow in Pathology

CHARLOTTE MOOAR DAMRON, M.S. Teaching Fellow in Biochemistry

MORTIMER JAMES FOLSTON, A.M., M.D. Teaching Fellow in Pediatrics

JASON GEIGER, A.B., M.D.
Research Fellow in Pulmonary Diseases

JOSEÉ GHISLAINE HOEBEKE, M.D. Fellow in Anesthesology

2122 Tunlaw Rd.

3032 Rodman St.

1101 Livingston Rd.

5903 Beech Dr. Bethesda, Md.

California Hall
Arlington Farms, Va.

3685 38th St.

3016 Nichols Ave. SE.

2321 Lincoln Rd. NE.

University Hospital

LEROY EDWARD HOECK, M.D. Research Fellow in Pediatrics

TOMMY COBLE ISHEE, A.M. Teaching Fellow in Economics

JACK KLEH, A.B., M.D. Research Fellow in Cardiology

GEORGE BENEDICT MAGIN, Ja., B.S. Sanders Fellow in Chemistry

JAMES PACKARD MANN, M.D.
Teaching Fellow in Pulmonary Diseases

JEAN MAYER, Ph.D.
Research Associate in Pharmacology

JOHN WALLACE McCALLEY, A.M. Teaching Fellow in Economics

JOHN GRAYSON McCUBBIN
Teaching Fellow in Mechanical Engineering

NORMA RICH METZNER, A.B. Teaching Fellow in Psychology

LOUIS JOSEPH MICHINI, A.B. Sanders Fellow in Bacteriology

ZELMA BAKER MILLER, Ph.D. Research Associate in Pharmacology

LUIS GUILEBALDO MURILLO, B.S., M.D. Fellow in Neurology

HOWARD CLEMETH PIERPONT, A.B., M.D., C.M. Fellow in Surgery

EUGENE WORTHINGTON RICE, M.S. Sanders Fellow in Biochemistry

MARIAN ELIZABETH ROSSI, A.B. Sanders Fellow in Bacteriology

JAMES SARGENT, M.D. Teaching Fellow in Pathology

JOHN WILLIAM SKINNER, A.M. Teaching Fellow in Economics

BENJAMIN WILLIAMS SMITH, M.S. Sanders Fellow in Biochemistry

JAMES ADAM SOWERS, A.B., M.D. Teaching Fellow in Pathology

HYMAN ERWIN STEINMAN, M.D. Teaching Fellow in Physiology

CELIA WHITE TABOR, A.B., M.D. Research Associate in Pharmacology

MORRIS TANDETA, B.S., M.D. Teaching Fellow in Pediatrics

108 19th St. SE

4569 Blue Plains Dr. SW.

6523 Clarendon Rd. Bethesda, Md.

1337 21st St.

1335 H St.

1068 Thomas Jefferson St.

1900 F St.

1421 18th Pl. SE.

3346 C St. SE.

7542 12th St.

1101 Trenton Pl. SE.

1320 19th St.

1221 S. Taylor St. Arlington, Va.

603 Massachusetts Ave. NE.

1210 Perry St. NE.

1335 H St.

Garrett Park Rd. Kensington, Md.

1715 N. Nelson St. Arlington, Va.

1500 Otis St. NE.

3500 14th St.

3130 Wisconsin Ave.

1208 Mt. Vernon Blvd. Alexandria, Va. LASZLO NANDOR TAUBER, M.CH., M.D. Teaching Fellow in Neurological Surgery

EKREM TURAN, M.D.

Teaching Fellow in Obstetrics and Gynecology

MERTON THEODORE WAITE, M.D. Teaching Fellow in Anatomy

RICHARD LEE WHELTON, B.S., M.D. Fellow in Medicine

900 Park Ave. Falls Church, Va. 2326 California St.

2505 13th St.

4800 Blagden Ave.

TECHNICAL ASSISTANTS

JANINA MARIA GORCZYCA
Technician in Neurology

SOLOMON HAZÁN Technician in Biochemistry

ROSEMARY IMBERT, A.B.
Technician in Medicine

EDWARD WALTER JYLKKA Stockroom Clerk in Pharmacy

CARROLL WIRT LAWRENCE Technician in Bacteriology

CLARENCE WILBUR MILLER Technician in Pathology

CAYETANO NAGAC, A.B. Technician in Pathology

VIRGINIA SUTTON RINGNESS
Research Assistant in Obstetrics and Gynecology

HARRY ARTHUR ROTH Stockroom Clerk in Chemistry 2405 1st St.

711 Upshur St.

2817 Connecticut Ave.

1918 H St.

3726 Oliver St.

4010 9th St. NE.

1911 Pennsylvania Ave.

5155 Macomb St.

1427 Wisconsin Ave.

ADMINISTRATIVE ASSISTANTS

OFFICE OF THE PRESIDENT

Jessie Bigelow Martin, A.B., Editorial Assistant
Leonard Walton Vaughan, A.B., Personnel Officer (non-academic)
Edna Peterson Froehlich, B.S. in Ed., Secretary to the President
Marilynn Matteson Sheridan, A.B., Secretary
Jean Heckman Faught, A.B., Secretary
Mary Lowrie Norwood, A.B., Assistant
Patricia Ann Strong, A.B., Secretary to the Personnel Officer

OFFICE OF THE VICE-PRESIDENT

Oscar Melvin Hokanson, Junior Engineer Thelma Collier, Secretary to the Vice-President Michael Luongo, Assistant

OFFICES OF THE DEANS

John Erwin MacNab, A.B., Secretary to the Dean of the Junior College Cecile Christine Jenkins, A.B., Secretary to the Dean of Columbian College

Loretta Mary Payne, Secretary to the Chairman of the Graduate

Catherine Breen, Assistant to the Dean of the School of Medicine Anna Marie Bischoff, A.B., Secretary to the Dean of the Law School Kaethe Wiegand Wilber, Secretary in the Law School

Jessie Kriner Rossi, Secretary to the Dean of the School of Engineering Mary Griffiths, Secretary to the Dean of the School of Pharmacy

Nina M. Booth, A.M., Secretary to the Dean of the School of Education Elizabeth Carsey Carter, Secretary in the Office of the School of Education

Maureen Larkin, Secretary to the Dean of the School of Government Cynthia Farrall Shannon, Secretary to the Dean of the Division of University Students

Nellie Carr Anderson, A.B., Assistant to the Dean of the Division of Special Students

Barbara Hamblin, A.B., Secretary in the Division of Special Students Mary Jane Hughes, Secretary to the Dean of the Summer Sessions

OFFICE OF THE DIRECTOR OF ADMISSIONS

Adrienne Mann Duffy, A.B., Assistant to the Director of Admissions Ruth Sinsabaugh Blue, A.B., Assistant to the Director of Admissions Barbara Saegmuller McAleer, A.B., Evaluator Rhoda Franklin Trumbull, B.F.A., Evaluator Mary Lee Chratnuck, Evaluator Vera Geneva Coffman, B.S. in Ed., Evaluator Phyllis Elizabeth Barrington, A.B., Evaluator Mary MacLeod Addy, B.S., Admissions Assistant Isabel Ann Totten, Admissions Assistant Mary Jo Hundley, A.B., Admissions Assistant Beverley Bumgarner Kriegh, Clerk Patricia Steele, Clerk

OFFICE OF THE REGISTRAR

Catherine Jackson, Assistant to the Registrar
Catherine MacLeod Ruby, A.B., B.S. in L.S., Statistical Clerk
Barbara Louise Hanby, A.B., Statistical Clerk
Ernestine Louise Monroe, Secretary to the Registrar
Barbara Anne Ainsworth, Transcript Clerk
Iris Bridges Gwinn, Transcript Clerk
Loreen Webb McDaniel, Graduation Clerk
Pearl Grace Gamboa, Record Clerk
Virginia Belle Mattox, Record Clerk
Shirley Bray Wade, Record Clerk
Olive Dual Simmons, Graduation Clerk

THE LIBRARY

Mason Tolman, A.M., B.S. in L.S., Associate Librarian

Anna Virginia Appich, A.B., Secretary to the Librarian; Accessions

Assistant

Mary Elizabeth Thompson, B.S., B.S. in L.S., Assistant Librarian, Cata-

Ella Cooper Thomas, LL.B., Assistant Librarian, Law Library
Sally Brewster Jamieson, A.B., B.S. in L.S., Assistant Librarian, Medical Library

Anne von Ammon, Assistant, Periodical Room

Elsie Lois Cree, A.B., A.B. in L.S., Assistant, Reserve Book Reading

Frances Ferris Sludd, B.S. in L.S., A.M., Assistant, Circulation and

Anne Albert Best, Assistant, Periodical Room Martha Haynes Cullen, A.B., Assistant, Cataloguing Hazel Oliver, A.B., Assistant, Periodical Room Zelda Davies, Assistant, Circulation and Reference Laura Ellen Stewart, R.R.L., Assistant, Medical Library

OFFICE OF THE COMPTROLLER

Paul Howard Burton, A.B., Assistant Comptroller Albert Eldridge Smith, B.C.S., Accountant John Avis McLaughlin, A.B., Assistant to the Comptroller Margaret Payne Greene, B.S., Assistant to the Comptroller Jessie Packett, Secretary Elizabeth Early, Secretary William Jenkins, B.C.S., Auditor

DISBURSING OFFICE

Lamar Lyon Burton, B.S., Disbursing Officer
Beatrice Coffman Warder, Assistant
Virginia Lee Bell, B.S., Accounting Machine Operator
Doris Kirby, Accounting Machine Operator
Donald Lamphiear, Voucher Assistant
Sarah Catherine Troxell, Payroll Clerk
Helen Elizabeth Wells, Clerk
Katharine Carlisle Whiteley, A.B., Clerk

OFFICE OF THE CASHIER

Joseph Hume Spicer, B.C.S., Cashier
Daniel John Tyrrell, Assistant Cashier
Elsie Mildred Johnson, Clerk
Mildred Letitia Stewart, Clerk
William Dewell McCown, A.B., Assistant, Veterans Section
Mae Louise Campbell, Clerk, Veterans Section
Doris Toombs, Clerk, Veterans Section
Nina Jo Hackett, Clerk, Veterans Section

OFFICE OF THE BUSINESS MANAGER

Donn Keyes Jenkins, B.M.E., Assistant Business Manager Henrietta Rosenblatt, Purchasing Assistant Hope Dedick Miller, Secretary to the Business Manager Elva Wolf, Order Clerk Angela D'Andrea, Clerk in the Office of Business Manager George Dewey Eckert, Superintendent of the Shop Vincent Bateman, Supervisor of Stores
David Maurice Barrie, Acting Superintendent of Maintenance
Lilian Wright Smith, Garden Consultant
Gertrude Ewing, Manager of the Faculty Dining Room
Birdie Harris, Manager of the Student Club
Karolina Hedler, B.S., Assistant Manager of the Student Club
Margaret Hughes Pfaefflin, Chief Telephone Operator
Sarah Cook Monts, Telephone Operator

PUBLIC RELATIONS

Margaret Davis, A.M., Assistant Director of Public Relations
Elisabeth Stevenson McCluney, A.B., Assistant Director of Public Relations
Barbara Guinn, Staff Writer
Thomas Joseph Coleman, Public Relations Assistant
Myrtle MacLaughlin, Secretary

ALUMNI RELATIONS

Sara Ford Dallmeyer Pine, Assistant Director of Alumni Relations Gene Cressman Patermaster, A.B., Record Clerk Natalie Intrater, Secretary

STUDENT ACTIVITIES

Ann MacMillan Wacker, A.B., Assistant to the Director of Activities for Women

Doris Matthews, A.B., Secretary, Office of the Director of Activities for

Waman

Dorothy Louise Chaddock, Secretary to the Director of Activities for Men

Jane Pauline Patterson, Stenographer, Office of the Director of Activities for Men

INTERCOLLEGIATE ATHLETICS

John Howell Rowland, LL.B., Head Football Coach Arthur David Zahn, A.B., Baseball and Basketball Coach Eugene Hughy Sherman, Sr., B.S., Assistant Football Coach and Freshman Basketball Coach Roger Antaya, A.M., Assistant Football Coach

Timothy Swett, B.S., Assistant Football Coach Mike Monchlovich, B.S., Athletic Trainer

MUSICAL ACTIVITIES

Robert Howe Harmon, A.B., M.D., Director of the Glee Clubs Grace Ruble Harmon, Associate Director of the Glee Clubs Leon Brusiloff, Director of The George Washington University Band

VETERANS EDUCATION

Donald Fath, Director of Veterans Education
Janet Segal Kirshner, A.B., Receptionist-counselor
John Pleacher, Chief Clerk
Gloria Yocum, Chief Clerk
Jane Whitmore, Receptionist
Elizabeth Ann Reidy, Clerk-typist
Nancy Lavada Lisenbee, A.B., Clerk-typist
Joan Neuhauser, Clerk-typist

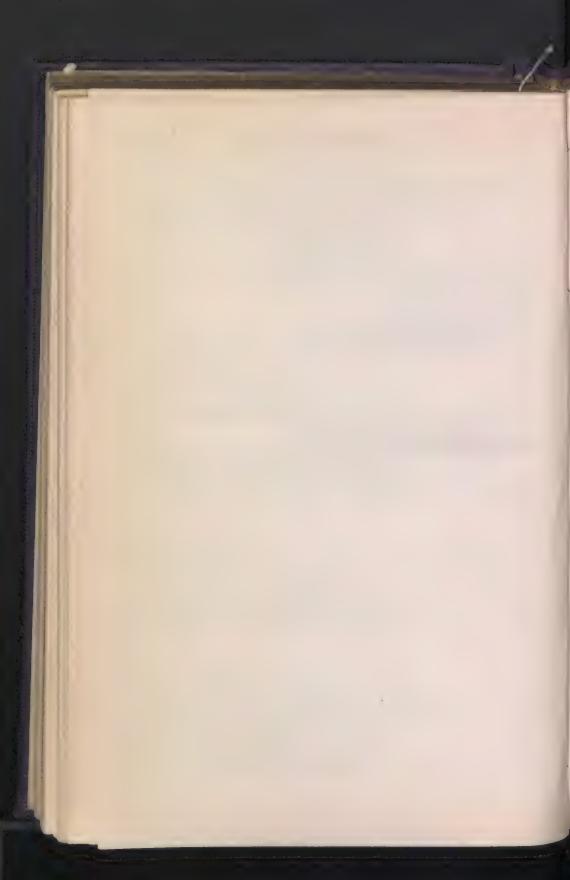
RESIDENCE AND SORORITY HALLS

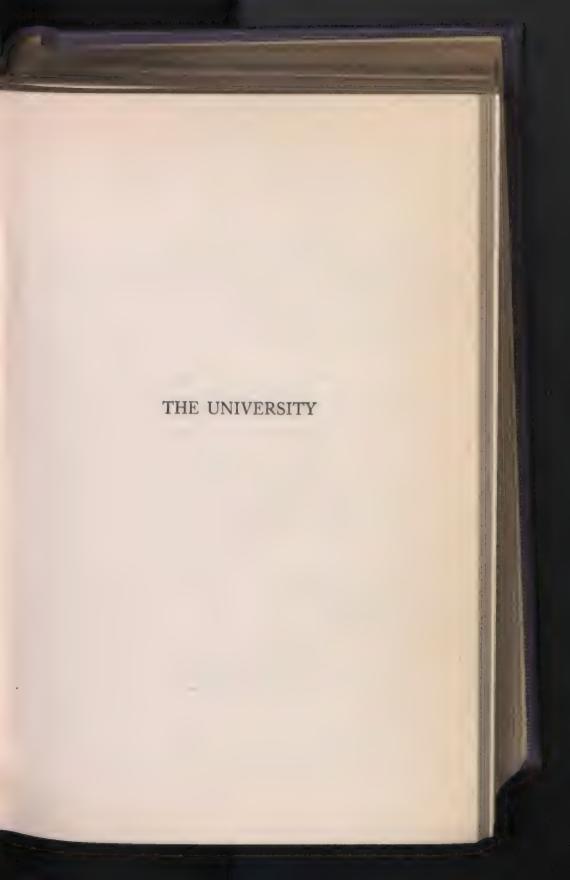
Maude Sewell, A.B., Hostess in the Hattie M. Strong Residence Hall for Women

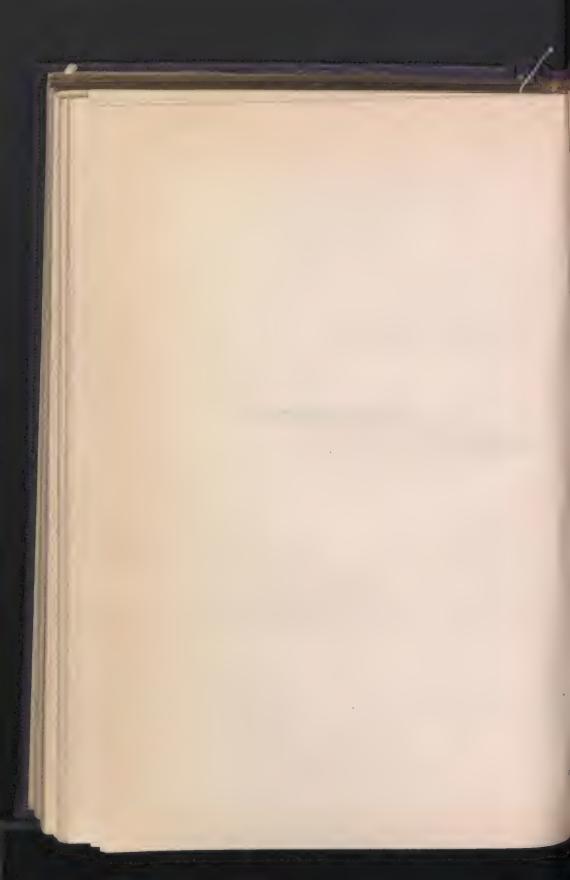
Jessie Ramsey Lee, Hostess in Staughton Hall

Virginia Randolph Kirkbride, A.M., Hostess in Sorority Hall, 2129 G Street

Jessie Lee Baldwin, Hostess in Sorority Hall, 802 Twenty-first Street Nora Anderson, Hostess, Residence Hall for Women, 2025 H Street







HISTORY AND ORGANIZATION

HISTORY

The idea of a university located in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

It was George Washington's hope that the "General Government" would extend toward such an institution "a fostering hand". No steps were taken by Congress to carry out the provision of Washington's will, and the stock that he had bequeathed for the establishment of a university in the District of Columbia became valueless owing to the failure

of the Potomac Canal properties,

Meanwhile, however, a movement was started by private persons under the leadership of Luther Rice to establish an institution of higher learning at the seat of the National Government for the education of the Baptist ministry and to afford general collegiate training. In 1819 an association was formed by Luther Rice, Obadiah B. Brown, Spencer H. Cone, and Enoch Reynolds for the purpose of raising funds to buy land for the use of the college.

A group of the Nation's leaders who were especially interested in Washington's idea became patrons of the college and contributed to funds raised for the purchase of land and erection of buildings. Among them were James Monroe, President of the United States; William H. Crawford, Secretary of the Treasury; John C. Calhoun, Secretary of War; William Wirt, Attorney General; Return J. Meigs, Postmaster

General; and thirty-two members of the Congress.

Legally to implement the college a petition was made to Congress for the incorporation of "the General Convention of the Baptist Denomination in the District of Columbia for evangelical and literary purposes". This petition was denied by Congress, on April 26, 1820, because of its sectarian character.

Failing to obtain a denominational charter, members of the association enlarged their objective to embrace national aims, and with the sponsorship of Government leaders there was presented in Congress a bill for the incorporation of "the Columbian Society for literary pur-

poses", it being proposed to realize in this way "the aspirations of Washington, Jefferson and Madison for the erection of a university at the seat

of the federal government".

Acting upon this second petition, on February 9, 1821, Congress chartered Columbian College in the District of Columbia, inserting in the charter by special action the provision "That persons of every religious denomination shall be capable of being elected Trustees; nor shall any person, either as President, Professor, Tutor or pupil, be refused admittance into said College or denied any of the privileges, immunities or advantages thereof, for or on account of his sentiments in matters of religion".

Thus Columbian College in the District of Columbia was chartered by Congress as one of the early nonsectarian institutions of higher learning in the United States, under the distinguished favor of President

James Monroe and members of his Cabinet.

A tract of approximately forty-seven acres, extending about one-half mile northwest of Boundary Street (Florida Avenue) between 14th and 15th Streets, was purchased and by 1822 the main building was com-

pleted sufficiently to use.

Two years later, when the first Commencement was held on December 15, 1824, Congress and the Supreme Court adjourned their sessions to enable their members to attend the exercises. President Monroe, John Quincy Adams, John C. Calhoun, Henry Clay, and the Marquis de Lafayette headed the eminent company in attendance.

The School of Medicine, established in 1821, was formally opened in 1825 and has been in continuous operation since that time. The Law School, organized in 1826, was discontinued the following year, and was reestablished in 1865. It is the oldest law school in Washington.

By an act of Congress of March 3, 1873, the name of the college was changed to "Columbian University", in recognition of the enlarged scope of the institution. In 1884 the University was moved from its first location on "College Hill"; now Columbia Heights, to the new University Hall built for it at Fifteenth and H Streets. Near-by buildings accommodated the School of Medicine.

For a period of six years, from 1898 to 1904, the University was placed under control of the Baptist Denomination. In 1904 an act restoring the original secular character of the University and authorizing change of name to The George Washington University was passed by Congress.

Subsequently all the colleges, schools, and divisions of the University except the School of Medicine and the University Hospital, were brought together at the present location in the city blocks bounded by Twentieth, Twenty-third, G, and H Streets NW., and in the blocks adjacent. The School of Medicine is situated on H Street between Thirteenth and Fourteenth Streets NW.; the University Hospital is on Washington Circle.

In 1930 a new plan of academic organization for the liberal arts work was effected. The Junior College was established, comprising the work of the freshman and sophomore years. The junior and senior years were retained in Columbian College, which was designated the senior college of letters and sciences. As a further step, the year of study leading to the Master's degree was separated from the graduate work for the Doctor's degree and assigned to Columbian College. The Graduate Council was organized to administer the work for the degree of Doctor of Philosophy. These innovations were accompanied by the establishment of a carefully controlled independent study plan, the grouping of departments of instruction under the divisional type of organization, and the institution of a new plan of administration both for the undergraduate major and for the Master's work.

The endowment of the University is \$2,830,000.

THE COLLEGES, SCHOOLS, AND DIVISIONS

The George Washington University includes twelve colleges, schools, and divisions, as follows: the Junior College; Columbian College, the senior college of letters and sciences; the Graduate Council; the School of Medicine; the Law School; the School of Engineering; the School of Pharmacy; the School of Education; the School of Government; the Division of University Students; the Division of Special Students; and the Summer Sessions.

ACADEMIC STATUS

The George Washington University is on the approved list of the Association of American Universities, the standard accrediting body for the universities and colleges of the United States. This fact not only assures to students the academic standards of this accrediting body, but also is important to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women. The University is a member of the College Entrance Examination Board.

The Law School is a charter member of the Association of American Law Schools and is approved by the Council of Legal Education of the American Bar Association. The School of Medicine is a member of the Association of American Medical Colleges, is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association, and is credited for all its work by the Combined

(Royal) Medical Examining Boards in England. The School of Pharmacy is accredited by the American Council on Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy. The School of Engineering is on the accredited list of the Engineers' Council for Professional Development.

LOCATION

The George Washington University is in downtown Washington, four blocks west of the White House and east of the Potomac River with its extensive parkway. Within a few blocks are many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by, and the Capitol, the Library of Congress, and the National Gallery of Art are readily accessible to the University.

GOVERNMENT

The government and general educational management of The George Washington University are vested in a self-perpetuating Board of Trustees, with the President and Vice-President of the University as members ex officio. The members of the Board are named for a period of three years and are divided into three classes. The members of one class are elected at each annual meeting to fill the places of the members whose terms of office expire. Two members of each class are nominated by the Alumni Association.

EDUCATIONAL FACILITIES

BUILDINGS

Buildings, grounds, and equipment are valued at approximately \$13,000,000.

The buildings of the Junior College, Columbian College, the Graduate Council, the Law School, the School of Engineering, the School of Pharmacy, the School of Education, the School of Government, the Division of University Students, the Division of Special Students, and the University Hospital and Outpatient Department are located between Twentieth and Twenty-third Streets and between Pennsylvania Avenue and G Street. The School of Medicine is at Fourteenth and H Streets NW. The buildings of the University are as follows:

Chapin Recreation Hall, 1911 H Street. Named in honor of the late Stephen Chapin, President of the University from 1828 to 1841.

Corcoran Hall, 725 Twenty-first Street. Named in honor of the late William W Corcoran, benefactor of the University and a former member of the Board of Trustees. Offices of the Comptroller, the departments of Chemistry. Electrical Engineering, and Physics; the chemistry, electrical engineering, and physics laboratories; classrooms.

Faculty Club House, 714 Twenty-first Street.

Gymnasium, 2010-12 H Street. Offices of the Department of Physical Education for Men.

Hall of Government, 710 Twenty-first Street. The gift of Mrs. Henry Alvah Strong, Trustee of the University. Offices of the Dean of the School of Government, the departments of Dusmess-Political Science, and Statistics; classrooms. the departments of Business Administration, Economics, History,

Hospital and Outpatient Department, Washington Circle.

International House, 2116 G Street. Office of the Adviser to Students from Foreign Countries; club rooms.

Lisner Auditorium, 730 Twenty-first Street. The gift of the late Abram Lisner, former Trustee of the University. The Auditorium; offices and classrooms of the Department of Speech.

Mechanical Engineering Building, 735 Twenty first Street. Offices of the departments of Electrical and Mechanical Engineering; engineering testing laboratories, general laboratories, drafting rooms, and classrooms.

Office of the President, 2003 G Street.

Office of the Vice-President, 2003 G Street.
School of Medicine, 1335 H Street. Offices of the Staff of the School of Medicine; anatomy, bacteriology, biochemistry, histology and embryology, pathology, pharmacology, and physiology laboratories; the Medical Library; lecture rooms; classrooms; students' rooms. Sorority Halls:

2129 G Street. Apartments of Pi Beta Phi, Siema Kappa, Phi Mu, Alpha Delta Pi, Delta Zeta, Zeta Tau Alpha, and Kappa Kappa Gamma serorities. 2131 G Street. Apartments of Delta Gamma Scrority and Martha Washing-

ton Club.

802 Twenty-first Street. Apartments of Chi Omega and Phi Sigma Sigma sororities

2112 G Street. Apartments of Kappa Alpha Theta and Kappa Delta sororities. Staughton Residence Hall for Women, 707 Twenty-second Street. Named in honor of William Staughton, the first President of the University (1821-1827). Stockton Hall, 720 Twentieth Street. Named in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918.

Offices, library, and lecture halls of the Law School.

Strong Residence Hall for Women, 620 Twenty-first Street. Named in honor of the donor, Mrs. Henry Alvah Strong.

Student Union, 2125 G Street.
Student Union Annex, 2127 G Street. Offices of Student Organizations.
University Library, 2023 G Street. The gift of the late Abram Lisner, former Trustee of the University. The library; rooms of the Board of Trustees and the Graduate Council.

Veterans' Club, 722 Twenty-second Street. Welling Hall, 814 Twenty-second Street. Residence Hall for Men. Named in honor of the late James Clarke Welling, President of the University from 1871

to 1894.
Woodhull Building, 2033 G Street. Gift of the late General Maxwell Van Zandt Woodhull, former Trustee of the University. Office of the Director of Activities for Women; Placement Office; meeting rooms for student activities and the Columbian Women.

Building A, 2026 G Street. Offices of the Department of Romance Languages. Building B, 2024 G Street. Laboratories and classrooms of the Department of

Building C, 2029 G Street. Offices of the Registrar and the Director of Admis-Home Economics. sions; offices and laboratories of the departments of Biology, Botany, and Zoology; classrooms.

Building D, 2013 G Street. Offices of the Dean of the Junior College, the Dean of Columbian College, the Dean of the Division of University Students, the Dean of the School of Education, and the Business Manager; offices of the departments of Art, Classical Languages, Education, English, Germanic Languages, Journalism, Mathematics, Philosophy, Psychology, Secretarial Studies, and Sociology; classrooms.

Building F, 2018 I Street. Offices of the Director of Alumni Relations and the Director of Public Relations.

Building G. 712 Twentieth Street. Offices of the Department of English.

Building H, 714-16 Twentieth Street. Offices and locker rooms of the Department of Physical Education for Women.

Building I, 2135 G Street. Offices, classrooms, and laboratories of the Department of Geography.

Buildings J and L, 2131 and 2129 G Street (rear). Classroom and locker rooms of the Department of Physical Education for Women

Buildings M and N, 716-18 Twenty-first Street. Offices of the Dean of the School of Engineering and the Department of Civil Engineering.

Building O, 2106 G Street. Office of the Department of Religion.

Building P, 2108 G Street. Offices of the Student Health Service and the Dean of the Division of Special Students.

Building Q, 2029 H Street. Office of the Director of Veterans Education. Building R, 2027 H Street. Offices of the Director of Activities for Men and the Athletic Staff.

Building S, 2025 H Street. Residence Hall for Women.

Building T, 717 Twenty-second Street. Offices of the Department of English.

Building U, 720 Twenty-second Street. Reading Clinic.
Building V, 2120 H Street (rear). Laboratories and classrooms of the Department of Physics.

Building W, 2128 H Street. Offices of the School of Pharmacy; pharmacy labora-

tories; classrooms.

Building X, 725 Twenty-third Street. Drafting rooms and classrooms of the School of Engineering.

THE UNIVERSITY LIBRARY

The University Library contains more than 170,000 volumes. The well equipped Library building houses all of the library except the law and medical collections. Over 5,000 bound volumes are added annually, and approximately 800 periodicals and publications of learned societies are received currently. Among the special collections of the Library are the Richard Heinzel Collection of Germanic philology and literature; the Curt Wachsmuth Collection of Greek and Roman literature, archeology, and history; the Mount Vernon Collection on political history, international law, and the social sciences; a representative collection of Spanish American books, the gift of the governments of Hispanic America; the Chauncey Mitchell Depew Public Speaking Collection, the gift of the late Mrs. Depew; and the Art Collection, which contains about 1,000 volumes made available by the American Institute of Architects, and the 7,500 mounted photographs of the Russell Sturgis Collection.

OTHER LIBRARY FACILITIES

The student has access also to the Library of Congress; the Public Library of the District of Columbia and its branches; the Library of the Carnegie Endowment for International Peace; the Library of the Pan American Union; the Library of the Bureau of Railway Economics; the Library of the United States Department of Agriculture; the Library of the United States Office of Education; the Army Medical Library; the Library of the Smithsonian Institution; and many of the other great special collections of the government departments.

GOVERNMENTAL INSTITUTIONS ACCESSIBLE TO STUDENTS

The congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

Resolved by the Senate and House of Representatives of the United States of America, in Congress assembled, That the facilities for research and illustration in the following and any other Governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

One. Of the Library of Congress.
Two. Of the National Museum.
Three. Of the Patent Office.
Four. Of the Bureau of Education.
Five. Of the Bureau of Ethnology.
Six. Of the Army Medical Museum.
Seven. Of the Department of Agriculture.
Eight. Of the Fish Commission.
Nine. Of the Botanic Gardens.
Ten. Of the Coast and Geodetic Survey.
Eleven. Of the Geological Survey.

ADMISSION

All departments of the University accept men and women.

Students may enter any college, school, or division of the University except the School of Medicine at the beginning of the fall term, the winter term, or any of the sessions of the summer term.

Entrance to the School of Medicine in 1949-50 is permitted only at the opening of the term beginning September 1949.

GENERAL ADMISSION REQUIREMENTS

The following factors are considered in determining the eligibility of an applicant for admission:

- 1. The adequacy of previous academic work as preparation for the course of study now contemplated—including quantity and quality of work and the standing of the institution in which it was done.
 - 2. The aptitude of the student for the course contemplated.
 - 3. The character of the student.

The University reserves the right to refuse admission to any student who has a previous academic record of such grade as to create doubt of his ability to pursue college work successfully, or who for any other reason would not be a desirable student.

APPLICATION FOR ADMISSION

An applicant for admission must obtain from the Office of the Director of Admissions an application blank which he must fill out completely and return with the application fee of \$3. A recent photograph, with signature, of the applicant must be attached to the blank.

Applications should be filed not later than July 1 for the fall term, January 1 for the winter term, and May 1 for the summer term.

An applicant from a secondary school must send the high school record form provided by the University to his high school principal with the request that the principal fill out the form and mail it direct to the Office of the Director of Admissions.

An applicant who has previously attended an institution of higher learning must request the registrar of that institution to mail directly to the Office of the Director of Admissions a transcript of his record. If he has attended more than one such institution he must request the registrar of each institution to send to the Office of the Director of Admissions a transcript of his record, even though credits were not earned, together with an honorable dismissal from the institution last attended.

The Graduate Record Examination sponsored by the Carnegie Foundation for the Advancement of Teaching is accepted as supplemental evidence of the applicant's educational attainment, and the appropriate report should accompany the application for admission whenever available.

METHODS OF ADMISSION

FROM SECONDARY SCHOOLS

An applicant from a secondary school may seek to qualify for admission by certificate or examination.

By Certificate

A certificate of graduation with a minimum of fifteen "units" * from an accredited secondary school and the recommendation from the principal of the secondary school that the applicant is prepared to undertake college work will be considered subject to the following conditions:

1. If the school is accredited by the regional accrediting association, the student must rank not lower than the third fifth of his class.

2. If the school is not listed by the regional accrediting association, but has been accredited by the state accrediting agency, the student must rank in the upper two fifths of his class.

By College Entrance Board Examinations

An applicant may qualify by passing satisfactorily College Entrance Board examinations as prescribed by the Director of Admissions. These examinations are given at The George Washington University on June 14, 1949; August 24, 1949; January 14, 1950; April 15, 1950; June 3, 1950; and August 23, 1950.

Arrangements for the examinations should be made with the College Entrance Examination Board, Post Office Box 592, Princeton, N. J.,

not less than one month before the date of the examinations.

FROM HIGHER INSTITUTIONS \$

An applicant for advanced standing may be considered for admission upon the presentation of satisfactory credentials from an accredited institution of higher learning. The student must be in good standing as to scholarship and conduct, and must be eligible to return to the previously attended institution in the term for which he seeks admission to this University.

If the transcript of record from such an institution includes the record

[•] A unit represents a year's study in a secondary school subject, including in the aggregate not less than 120 sixty-minute periods of prepared classroom work.
† The University reserves the right to refuse advance credit in whole or in part, or to allow it provisionally. Credit so given may be withdrawn for subsequent poor work.

of his secondary school work, it is not necessary for the applicant to have forwarded a separate record directly from the principal of the secondary school. High school work is considered only as fulfilling entrance requirements; it is never credited toward advanced standing.

Properly certified courses taken at accredited colleges or universities may be applied toward a degree at this University, subject to the curriculum requirements and regulations of the school or college to which admission is sought. Work of low pass grade (such as D or the equivalent) may not be considered for transfer.

ENTRANCE REQUIREMENTS

THE JUNIOR COLLEGE

An acceptable certificate of graduation from an accredited secondary school, or the satisfactory passing of College Entrance Board examinations selected with the approval of the Director of Admissions is required. (See "Methods of Admission".)

Distribution of Units for All Curricula except Premedical.—Except for admission to the premedical curriculum, certification by the principal that the student has satisfied all curriculum requirements of the school will be accepted in lieu of any prescribed distribution of units. Attention is called, however, to the necessity of completing stated prerequisite studies during the secondary school period for admission to certain curricula. It is to be noted that one unit of algebra is prerequisite to courses in chemistry, mathematics, physics, and statistics and that in addition one unit of plane geometry is prerequisite to courses in mathematics and physics. In the instance of applicants who do not meet the above stated mathematics requirements, algebra and plane geometry may be taken without college credit when offered by the Department of Mathematics. For a statement of the foreign language requirements see page 57.

Distribution of Units for the Premedical Curriculum.—The several state medical boards govern the granting of licenses to practice; hence their requirements as to high school credits must be met exactly. The fifteen units required must include three in English, two in one foreign language, one in algebra, one in geometry, one in history, and one in science (biology, botany, chemistry, or physics). Eleven of the units offered must be in the above subjects.

COLUMBIAN COLLEGE (THE SENIOR COLLEGE)

For the Bachelor's Degrees

Two years of Junior College work leading to the degree of Associate in Arts, or the lower-division work in institutions not organized on the junior-senior-college plan, following a specified curriculum, meet the

minimum requirements of Columbian College. In addition, however, scholarship requirements for admission may be set somewhat higher than those for graduation from the Junior College.

Bachelor of Arts.—An Associate in Arts degree based on the Arts and Letters curriculum in the Junior College, or the equivalent (see

page 58), is required.

Bachelor of Science.—An Associate in Arts degree based on the Science curriculum in the Junior College, or the equivalent (see pages 58-59), is required.

For the Master's Degrees

An approved Bachelor's degree from an accredited higher institution is required. A student from an unaccredited institution may be admitted at the discretion of the Committee on Admission and Advanced Standing, but he will be required to take such extra work above the minimum requirements as may be prescribed. An appropriate distribution of courses and a superior quality of work in the major field are essential.

Applications for admission must be approved by the department or

division and by the Dean.

Master of Arts.—The student's undergraduate curriculum must have included a program of study substantially equivalent to a major in his chosen field, together with an appropriate distribution of courses in other fields, or he must complete this prerequisite work in addition to that required for the Master's degree.

Master of Science.—The student's undergraduate curriculum must have included the equivalent of the undergraduate major of the scientific

department under which he desires to work.

THE GRADUATE COUNCIL

Doctor of Philosophy.—The student must possess an adequate academic preparation for advanced study in the proposed field, as evidenced by approved Bachelor's and Master's degrees, or the equivalent, together with acceptable personal qualities and capacity for creative work.

THE SCHOOL OF MEDICINE

Doctor of Medicine.—Ninety credit hours of work, exclusive of physical education, in an accredited higher institution are required.

Specific Educational Requirements

SECONDARY SCHOOL REQUIREMENTS

Of the fifteen secondary school units required, three must be in English, two in one foreign language (ancient or modern), one in algebra,

one in geometry, one in history, and one in science (biology, botany, chemistry, or physics). Eleven of the units offered must be in English, foreign language, mathematics, science, and history.

PREMEDICAL COLLEGE REQUIREMENTS

NINETY CREDIT HOURS

1. Chemistry, sixteen credit hours as follows: (a) eight hours in general inorganic chemistry, of which at least four credit hours are laboratory work (qualitative analysis may be counted as general inorganic chemistry); (b) eight credit hours or a one-year college course of organic chemistry, including laboratory work.

2. Physics, eight credit hours, of which at least two credit hours are laboratory work. It is recommended that this course be preceded by one in trigonometry.

3. Biology, eight credit hours, of which at least four credit hours are laboratory work. This requirement may be satisfied by a course of eight credit hours in either general biology or zoology, or by four credit hours each in zoology and botany, but not by botany alone.

4. English composition and literature, six credit hours: the usual introductory college course or the equivalent. The student should develop facility in speaking and writing English.

5. Modern foreign language: a reading knowledge, preferably of French or German.

6. Electives. It is recommended that the remaining credit hours required include: (a) comparative vertebrate anatomy; (b) qualitative and quantitative chemical analysis; (c) social science and psychology.

Advanced Standing

A student who has satisfactorily attended one or two years at any other "class A" medical school, and who has the necessary preliminary educational requirements, may be admitted to advanced standing.

THE LAW SCHOOL

For the Degrees in the Professional Course

Bachelor of Laws* and Juris Doctor .- A Bachelor's degree awarded upon completion of a four-year course in an approved college or university is required.

^{*}No less than one-half the work necessary for graduation from an approved college or university will be accepted as satisfying the admission requirements for (1) regular students of the University in continuous attendance since the 1947 winter term registration, (2) applicants for the degree of Bashelor of Laws or Master of Laws who have completed not less than 20 months of continuous service in the armed forces of the United States during World War II A Bachelor's degree which includes credits for work done in this or any other Law School will not satisfy the admission requirement for this degree. All pre-legal work must be of a quality and distribution acceptable to the University.

ADVANCED STANDING

Advanced standing toward the degree of Bachelor of Laws may be granted only for work successfully completed in other Law Schools which are members of the Association of American Law Schools.

Advanced standing toward the degree of Juris Doctor will not be

granted for work in other law schools.

For the Degrees in the Graduate Course

Candidates for graduate degrees must be accepted by the Committee on Graduate Studies.

Master of Laws.*—A bachelor's degree awarded upon the completion of a four-year course in an approved college or university and the degree of Bachelor of Laws, or the equivalent, from an approved law school are required.

Master of Comparative Law.—The following are required: (1) the successful completion of and graduation from a course in arts, philosophy, letters, or sciences, equivalent to graduation from a gymnasium, lycee, or liceo (junior college); and (2) graduation in law from a recognized

foreign university where training was in Civil Law.

Doctor of Juridical Science.—The following are required: (1) the degree of Juris Doctor from this Law School; or (2) the degree of Bachelor of Arts from an approved college, the degree of Bachelor of Laws or the equivalent, earned with high rank, from an approved law school, and outstanding capacity for scholarly work in the field of law.

Unclassified Students

A person eligible for admission to regular standing but not a candidate for a degree may, at the discretion of the Dean, be admitted as an unclassified student.

A person who is in good standing as a candidate for a degree in another approved law school may, at the discretion of the Dean, be admitted as an unclassified student. Work taken by an unclassified student will not be accepted for credit toward a degree at this Law School.

THE SCHOOL OF ENGINEERING

Bachelor of Civil Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, Bachelor of Science in Engineering.
—An acceptable certificate of graduation from an accredited secondary

[•] No less than one-half the work necessary for graduation from an approved college or university will be accepted as satisfying the admission requirements for (1) regular students of the University in continuous attendance since the 1947 winter term registration, (2) applicants for the degree of Bachelor of Laws or Masster of Laws who have completed not less than 20 months of continuous service in the armed forces of the United States during World War II and who entered the Law School prior to the fall term of 1949.

school, or the satisfactory passing of College Entrance Board examinations in secondary school subjects selected with the approval of the Director of Admissions is required.

Nine and one-half of the fifteen units required for entrance must be distributed as follows: three in English, two in algebra, one in plane geometry, one-half in plane trigonometry, one in physics or chemistry, and two in one foreign language or history. A graduate of an approved high school who does not offer for admission the particular subjects required for the engineering curriculum, but who does present not less than fifteen acceptable units, may be admitted on condition, if such deficiency in the distribution of units does not exceed two units.

ADVANCED STANDING

Advanced standing may be granted for work successfully completed at accredited institutions of higher learning. Credit will be assigned by the School of Engineering to the extent that the work taken at previous institutions meets the requirements for the degree sought at this University, and subject to the general University regulations concerning satisfactory subsequent work.

THE SCHOOL OF PHARMACY

Bachelor of Science in Pharmacy.—An Associate in Arts degree based on the curriculum in Pharmacy in the Junior College (see page 59), or the equivalent is required.

A student who has received a Bachelor's degree from an accredited institution or who has completed work in the general cultural or foundational subjects of the pharmacy curriculum may be admitted to advanced standing. No more than one year of advanced standing will be granted a student from any institution other than an accredited college of pharmacy.

Master of Science in Pharmacy.—A Bachelor of Science degree from an accredited institution is required.

THE SCHOOL OF EDUCATION

For the Bachelor's Degrees

Bachelor of Arts in Education, Bachelor of Science in Home Economics, Bachelor of Science in Physical Education.—An Associate in Arts degree based on the Education, Home Economics, or Physical Education curriculum in the Junior College (see pages 60-61), or the equivalent from another accredited higher institution, or a certificate of graduation from an approved normal school or the equivalent is required.

For the Master's Degree

Master of Arts in Education.—A Bachelor's degree from an accredited institution, or the completion of a course of study that is the equivalent is required. A student from an unaccredited institution whose work is judged by the Faculty to be not more than twelve credit hours short of that required for an approved Bachelor's degree may remove his deficiencies while registered for the Master's degree.

For the Doctor's Degree

Doctor of Education.—The degree of Master of Arts in Education or the equivalent, and at least three years of satisfactory educational experience are required.

THE SCHOOL OF GOVERNMENT

For the Bachelor's Degree

Bachelor of Arts in Government.—An Associate in Arts degree based on the Accounting and Business Administration, Foreign Affairs, or Statistics curriculum in the Junior College (see page 62), or the equivalent, and a quality-point index of 2.00 for the first two years' work are required.

For the Master's Degree

Master of Arts in Government.—A Bachelor's degree from an accredited institution, or evidence of a course of study that is judged by the Faculty to be the equivalent is required. A student from an unaccredited institution may be admitted at the discretion of the Dean's Council, but he will be required to take such extra work above the minimum requirements as may be prescribed.

The Dean may permit deficiencies to be made up concurrently with work for the degree or by special examinations given under direction of a Faculty Committee. Students admitted to candidacy must have attained a quality-point index of 3.00 (a "B" average) in the courses of their undergraduate major. In special cases students who have not attained this scholastic average may take a qualifying examination with permission of the Dean.

THE DIVISION OF UNIVERSITY STUDENTS

Students 21 years of age or over who are not interested in working for a degree in this University may be considered for admission to the Division of University Students to take courses for which they have adequate preparation, as evidenced by previous scholastic records.

In special instances, with the permission of the instructor, a person

may be considered for admission as an auditor in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

THE DIVISION OF SPECIAL STUDENTS

This is a non degree-granting division of the University in which the Director of Admissions may authorize the placement of students in the process of making up entrance deficiencies to degree-granting colleges and schools of the University.

Complete credentials must be submitted and evaluated before a tentative or definite plan of make-up may be prepared.

CLASSIFICATION OF STUDENTS

REGULAR STUDENTS

Regular students are those who have met the entrance requirements for candidacy and are registered for degrees.

UNIVERSITY STUDENTS

Persons of mature age, as specified in the rules of the Division of University Students, may be admitted to this Division to pursue courses for which they have had adequate preparation.

SPECIAL SUDENTS

Special students are those who are in the process of qualifying for admission to curricula in degree-granting colleges and schools of this University.

Additional information concerning curricula, courses offered, entrance requirements, or admission procedure may be obtained from the Office of the Director of Admissions.

REGISTRATION

Before a student may be admitted to registration he must have satisfied the Office of the Director of Admissions that he is qualified for entrance to the University. (See "Admission", pages 11-19.)

A student who has previously matriculated in the University, but who has not been in attendance during the term prior to registration, should

file an application for readmission in advance of registration.

Registration is for the term unless otherwise indicated on the registration paper. No registration is accepted for less than a term or one aummer session.

A student may not register concurrently in The George Washington University and another institution without the permission of the dean of the college, school, or division in which he is registered in The George Washington University. Allowance of credit for work done concurrently will be at the discretion of the appropriate Committee on Admission and Advanced Standing.

TIME AND PLACE OF REGISTRATION *

Registration is conducted during the following periods: fall term, September 28, 29, and 30; winter term, February 2 and 3. Registration, except for the Law School, is conducted in Building C, 2029 G Street NW.; for the Law School, in Stockton Hall, 720 Twentieth Street NW.

REGISTRATION CHANGES AND WITHDRAWALS

For regulations governing changes in registrations and withdrawals, see pages 23, 36, and 37.

^{*} Registration for the School of Medicine is conducted at the School of Medicine, 1355 H Street NW., between 11:00 A.M. and 5:00 P.M., September 15 and 16, 1949.

FEES AND FINANCIAL REGULATIONS

By authorization of the Board of Trustees, the following fees have been adopted:

TUITION FEES

For each credit hour for which the student registers (except work taken by a candidate for a Doctor's degree)	\$12.00 650.00
For work leading to and including the Council Fellowship exam-	
ination§	360.00
For Work leading to and including the final examinations	360.00
For the degree of Doctor of Education:	300.00
For work leading to and including the general examinations.	360.00
For work leading to and including the final examinations	360 N
For the degree of Doctor of Juridical Science	
For work leading to and including the final examinations§	360.00
	300.00

ADDITIONAL COURSE FEES

In certain courses additional fees, such as laboratory and material fees, are charged as indicated in the course descriptions. These fees are charged by the term and, unless otherwise indicated, may be defrayed in three payments when the tuition is paid in this manner. Breakage of apparatus is charged against the individual student. When breakage is in excess of the normal amount provided for in the laboratory fee the individual student will be required to pay such additional charges as are determined by the department concerned.

GRADUATION FEES

Wherein the degree of Associate in Arts is granted	\$10.00
FEE FOR BINDING MASTER'S THESIS	4.00
FEE FOR THE PROFESSIONAL THESIS IN THE SCHOOL OF ENGINEERING	50.00
An annual fee; one half payable in advance at the time of each registration.	30.00
FEE FOR PRINTING AND FILING SUMMARY OF DOCTORAL DISSERTATION	50.00

Payment of twition for the thesis entitles the tandidate, during the academic year of registration, to the advice and direction of the member of the faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be stranted without further twitten payment. If the preparation of the thesis extends become the second academic year, it must be registered for again, and turtion paid on the same basis as for a repeated course.

3 Registration in the School of Medicine is for a period of two terms. After the atudent has entered the course of instruction he is obligated for the full tuition for two terms. No part of a twittion will be refusided upon withdrawal or dismissal for any cause.

3 When a limited schedule is carried which extends the time of either the preparation period or the examination period to more than one year, the proportionate part of the charge may be fixed by the Comptroller.

SPECIAL FEES

CIAL 1 DES	
Application fee, charged all applicants for admission, non-refundable	3.00
Aptitude Test fee. Late-registration fee, charged each student who fails to register	00.1
within the designated period	5.00
Withdrawal fee charged each student who preregisters and with-	5.00
draws prior to the regular registration	3.00
(4D	1.00
Direct towart for charged each student who is reinstated after sus-	
pension for delinquency in fees	5.00
Residence fee, charged each student wishing to maintain in residence" status during any term of absence from the University	12.00
For enecial physical examination	20
Student Rar Association fee charged each student in the Law School	
for each term or any part thereof except the summer term	2
For each examination to qualify for advanced standing and for each special examination	5.00
Laboratory checkout fee charged all students in chemistry and phar-	
macy courses who fail to check out of the laboratory by the time	
set by the instructor	2.00

Registration in the University entitles each student to the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Placement Office; (3) the use of University library facilities, except as otherwise designated; (4) gymnasium privileges; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the University Hatchet, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services as described under the Department of Health Administration. These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dismissed from the University.

PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each term are due and payable in advance at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, the student may sign a contract for term charges, except for fees payable

in advance, permitting payments as follows:

Fall Term.—One third at the time of registration; one third on November 3; one third on December 3.

Winter Term.—One third at the time of registration; one third on March 3; one third on April 3.

A student who fails to meet payments when due, but who pays his fees

on or before the tenth day of the month in which payment is due, is charged a service fee of \$1. A student who fails to meet payments by the tenth day of the month in which payment is due will be automatically suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of \$5.

A suspended student may not be reinstated for the term after two weeks from the date of suspension. Applications for reinstatement are to be made to the dean of the college, school, or division in which the student

is registered.

An auditor pays all fees chargeable to the student registered for credit except the late-registration fee.

WITHDRAWALS AND REFUNDS

Application for withdrawal from the University or for change in class schedule must be made in person or in writing to the dean of the college, school, or division in which the student is registered. Notification to an instructor is not an acceptable notice (see "Withdrawal", pages 36 and 37).

In authorized withdrawals and changes in schedules, financial adjust-

ments will be made as follows:

Fall Term.—Withdrawal dated on or before October 31, cancellation of two-thirds of tuition charges; withdrawal dated on or before November 30, cancellation of one-third of tuition charges. No refund or reduction will be allowed on a withdrawal dated subsequent to November 30.

Winter Term.—Withdrawal dated on or before February 28, cancellation of two-thirds of tuition charges; withdrawal dated on or before March 31, cancellation of one-third of tuition charges. No refund or reduction will be allowed on a withdrawal dated subsequent to March 31.

In no case will a refund be made of the first third of the total tuition charges unless the registration is in advance and the course is dropped before the regular registration day. In this case a withdrawal fee of \$5 is charged and tuition fees refunded. In no case will tuition be reduced or refunded because of nonattendance upon classes.

Payment applies only to the term for which a registration charge is incurred and in no case will this payment be credited to another term.

Any student in chemistry who fails to check out of the laboratory on or before the date set by the instructor, unless excused by the instructor, will be charged a checkout fee in the amount of \$2.00. A student who drops a course before the end of the term must check out of the laboratory at the next regular laboratory period.

Authorization to withdraw and certification for work done will not be

given a student who has not a clear financial record.

FELLOWSHIPS, SCHOLARSHIPS, PRIZES, LOANS

FELLOWSHIPS

The following fellowships are available to graduate students. Applications should be submitted for consideration not later than April 1 pre-

ceding the period for which the fellowship is to be awarded.

The applicant for a University Teaching Fellowship or a Special Fellowship is expected to be a prospective candidate for the degree of Doctor of Philosophy, and to have the Master of Arts degree, or the equivalent, in the general field of his future doctoral study and research. Forms on which to make application for these fellowships may be obtained from the Chairman of the Graduate Council.

University Teaching Fellowships.—These are assigned for the academic year 1949-50 in the following departments of instruction: Bacteriology, Biochemistry, Botany, Chemistry, Economics, English, History, Physics, Psychology, Romance Languages, and Statistics. Each fellow receives an annual stipend, plus full tuition in the Graduate Council for whatever schedule of study or research his fellowship duties permit him to carry. The occupant of each of these fellowships renders a designated unit of service to the department of instruction in his major field of doctoral study, usually in classroom or laboratory assignments.

Special Fellowships.—A number of special fellowships are supported by endowment, and are awarded to doctoral students of unusual promise and ability. The stipend is not fixed but varies in amount with the need of the individual receiving the award. In applying for one of these fellowships it is advantageous that the student appear personally for an interview with the Chairman and such other members of the Graduate Council as would be interested in the research investigations proposed. These fellowships include the following:

Isabella King Research Fellowship.—Of the value of \$1,200 annually, offered in the general field of biology, and intended to foster research for which the libraries and scientific establishments in Washington provide

special facilities.

Thomas Bradford Sanders Fellowships.—Established by Miss Addie Sanders in memory of her brother, Thomas Bradford Sanders, and offered in various academic fields of study, with stipends designated by the Chairman of the Graduate Council.

Soroptimist Fellowship.—This fellowship of \$1,500 was established in 1948 by the South Atlantic Region of the American Federation of

Soroptimist Clubs, an international organization of executive business and professional women. Applicants are expected to be prospective candidates for a graduate degree in one of the following fields of Government: Foreign Affairs, Accounting, Business Administration, Business and Economic Statistics, Government and Economic Policy, Public Administration, and Personnel Administration. Selection of the candidate will be based upon the personal and academic qualifications of the applicant. Application should be addressed to the Office of the School of Government.

SCHOLARSHIPS

Scholarships are awarded for two terms unless otherwise specified and are credited in equal parts for each term. Each holder must carry a full schedule of academic work (fifteen credit hours or in the professional schools the full prescribed schedule) during the period for which the scholarship is awarded. Except in the case of the Columbian Women's Scholarships, the High School Scholarships, the Student Activities Scholarships, and the Trustee Scholarships, applicants must have established an academic record in courses at this institution and should apply on prescribed forms which must be filed in the Office of Chairman of the Committee on Student Loans and Scholarships not later than May I preceding the academic year for which the scholarship is to be awarded. Further information may be obtained from the Chairman of the Committee on Student Loans and Scholarships.

Byron Andrews Scholarship.—This scholarship, in the amount of \$150, established in 1920 by Mrs. Belle Fisk Andrews in memory of her husband, Byron Andrews, is available "for ambitious and needy students, who desire to pursue courses in English, Latin, journalism, history,

literature, or political science".

Emma K. Carr Scholarships .- Three scholarships in the amount of \$300 each and seven in the amount of \$100 each, established in 1932 by Mrs. Emma K. Carr, are awarded annually to "young men (of the white race) for undergraduate or postgraduate work, considering character, capacity, and need".

Henry Harding Carter Scholarship.—This scholarship, established in 1896 by Mrs. Maria M. Carter in memory of her husband, Henry Harding Carter, is of the annual value of \$150 and may be awarded to a deserving student who is preparing for the civil-engineering profession.

Maria M. Carter Scholarship .- This scholarship, in the amount of \$30 to be awarded annually to a young man, was given to the University in 1871 by Mrs. Maria M. Carter.

Isaac Davis Scholarship.—This scholarship, in the amount of \$30 to be awarded annually, was given to the University in October 1809 by

the Honorable Isaac Davis, of Massachusetts. Nominations for the scholarship may be made "by the founder or his eldest lineal descendant". In case no such nomination is made, the scholarship is to be awarded by the University.

Charles Worthington Dorsey Memorial Scholarship.—This scholarship, established as a memorial to Charles Worthington Dorsey, Bachelor of Laws, '81, Master of Laws, '82, is awarded upon the recommendation of the Faculty of the Law School to a needy and promising graduate of Columbian College or other division of the University, with a Bachelor of Arts or other equivalent degree, who has maintained an average of B as an undergraduate student and who desires to pursue the study of law as a full-time student. The scholarship covers tuition for the course leading to the first degree from the Law School, Bachelor of Laws or Juris Doctor, provided that the holder maintains an average of B. The right is reserved to suspend the benefits of the scholarship for cause at any time. The scholarship is awarded ordinarily once every three years.

Robert Farnham Scholarship.—This scholarship, in the amount of \$30 to be awarded annually to a student in Columbian College, was given to the University in 1871 by Mrs. Robert Farnham.

Elma Lewis Harvey Scholarship.—This scholarship, of the annual value of \$150, was founded in 1921 by Mrs. Emma Elizabeth Harvey in memory of her daughter, and is to be awarded every four years, or as often as vacant, to a young woman student in Columbian College of the Protestant faith and of the Caucasian race who shall be selected for scholarship and moral qualifications.

High School Scholarships.—Two University scholarships for study in the liberal arts, one for a man student, the other for a woman, are assigned for award to each of the following schools: Anacostia, Central, Coolidge, Eastern, McKinley, Roosevelt, Western, and Woodrow Wilson High Schools (District of Columbia); Bethesda-Chevy Chase High School (Maryland); Washington-Lee and George Washington High Schools (Virginia). The Amos Kendall Scholarship, established by the late Honorable Amos Kendall, is one of the two assigned to the Central High School. Each of the above scholarships is awarded annually, on the recommendations of a committee consisting of the Dean of the Junior College of The George Washington University, the principal of the high school concerned, and an alumnus of both the high school and the University, to a member of the graduating class who intends to enter the Junior College and to continue in Columbian College. A principal and an alternate may be recommended.

The holders of these scholarships are exempt from tuition fees, but are charged laboratory, graduation, and other fees. The scholarships are valid for four academic years of undergraduate study. The principal,

or, if the principal declines, the alternate, must register in September following the award.

To retain any high school scholarship a student must carry a full program of study in the liberal arts (a full program being defined as at least fifteen hours of work each term), unless otherwise determined in individual cases by the Committee on Student Loans and Scholarships upon recommendation of the dean of the college concerned. An average of B and a high standard of deportment must be maintained. After registering, the holder of a high school scholarship is expected to complete four academic years in the University. If he fails to continue its use, the scholarship will not be reassigned.

A. Morehouse Scholarship.—This scholarship was established by Mr. A. Morehouse, in 1861. It carries an annual stipend of \$45, which is available for an undergraduate "intending to enter the Christian ministry".

Newspaper Scholarships.—Four scholarships are to be awarded each year to candidates recommended by the following newspapers: The Washington Daily News, The Washington Post, The Evening Star, and The Times-Herald. These scholarships cover tuition for four years, but do not include laboratory fees, graduation fee, or other special fees,

Paul Pearson Scholarship.—This scholarship, established in 1940 by bequest of Paul Pearson and "to be known as the Dr. Paul Pearson award", is in the amount of \$85 to be awarded annually to a student in the School of Pharmacy.

Lula M. Shepard Scholarship.—This scholarship, established in 1946 by bequest of Lula M. Shepard, is in the amount of \$300 and is awarded annually to a "worthy Protestant student desiring to enter the Foreign Service Department of the School of Government".

David Spencer Scholarship.—This scholarship of approximately \$200 was established in 1918 by Miss Louisa J. Spencer.

Mary Lowell Stone Scholarship.—This memorial scholarship, established in 1893 is in the amount of \$60, to be awarded annually to a woman student of science in Columbian College.

Student Activities Scholarships.—The University has established a limited number of Activities Scholarships for men, which will be awarded to approved applicants therefor by the Faculty Committee on Student Loans and Scholarships upon the basis of (1) need, (2) good character, (3) demonstrated aptitude for leadership, and (4) scholarship of the applicant.

Such scholarships are granted for one academic year. They may be continued, however, upon the basis on which they were granted. Recipients of Activities Scholarships must maintain the required scholastic average of the school or division in which they are registered.

The time for filing applications for Activities Scholarships and the

terms of such scholarships may be ascertained by inquiry at the office of the Chairman of the Committee on Student Loans and Scholarships.

Charles Clinton Swisher Scholarship.—This scholarship, established in 1941 by the late Professor Charles Clinton Swisher, is in the amount of \$250 and is awarded annually to a student of medieval history.

Trustee Scholarships.—Five scholarships are awarded each year, upon the recommendation of regional alumni clubs, to outstanding male graduates of accredited high schools. The scholarships cover tuition costs for four terms of full-time work but do not include special fees such as laboratory charges, room, board, or other expenses. To retain the scholarship, the student must maintain a B average. Additional information may be obtained from the Alumni Secretary.

William Walker Scholarship.—This scholarship was established in 1824 by William Walker, Esq. It carries an annual stipend of \$75, which is available for an undergraduate intending to enter the Christian

ministry.

John Withington Scholarship.—This scholarship was established in 1830 by the New York Baptist Theological Seminary. It has an annual stipend of \$60.

Ellen Woodhull Scholarship.—This scholarship, established by the late Ellen M. E. Woodhull, is in the amount of \$20, to be awarded annually to a student in Columbian College.

THE COLUMBIAN WOMEN SCHOLARSHIP FUNDS

The Columbian Women Scholarships are awarded by the Scholarship Committee of the Columbian Women. Applications for these scholarships should be addressed to the Chairman of the Scholarship Committee, the Columbian Women, The George Washington University, Washington 6, D.C., not later than May 15 preceding the academic year for which the scholarship is to be awarded; or, in the case of award for the winter term, not later than January 1.

Nellie Maynard Knapp Scholarship Fund.—The income from this fund of \$5,000, established in 1915 in memory of a former president, Mrs.

Martin A. Knapp, is available for scholarships for women.

Founders of Columbian Women Scholarship Fund.—The income from this fund of \$5,000, established in 1920, is available for scholarships.

Lillian Young Herron Scholarship Fund.—The income from this fund of \$5,000, established in 1925 and named in 1930 in memory of a former

president, is available for scholarships.

Elizabeth V. Brown Scholarship Fund.—This fund of \$1,200 was established in 1925 by the College Women's Club of Washington, D.C., in memory of the late Elizabeth V. Brown. The scholarship granted thereunder is available for a woman student in the School of Education.

College Women's Scholarship Fund .- The income from this fund of

\$500, established in 1926 through the courtesy of the College Women's Club of Washington, D.C., is available for scholarship aid.

Lewes D. and Myrtie H. Wilson Memorial Scholarship Fund.-This fund of \$1,000 was established by Miss Elizabeth Wilson in 1926 as a memorial to her parents, Lewes D. and Myrtie H. Wilson. The income is available for a scholarship in the School of Medicine.

Grace Ross Chamberlin Scholarship Fund .- The income from this fund of \$2,300, established in 1932 in honor of a former president, is

available for scholarship aid.

PRIZES

Alpha Chi Sigma Prizes .- Alpha Pi Chapter of Alpha Chi Sigma Fraternity offers annually the following prizes:

A "Handbook on Chemistry and Physics" is awarded to each of the three students who carry at least eighteen credit hours during the freshman year and attain the highest averages in freshman chemistry.

The name and year of graduation of the student who has attained the highest quality-point index in courses in chemistry will be inscribed on a bronze plaque. The winner of this award will have had at least sixteen hours of chemistry including the final semester at The George Washington University.

Alpha Delta Pi Prize .-- Alpha Pi Chapter of Alpha Delta Pi Fraternity offers an annual prize of \$10 to the woman member of the junior class with the most outstanding record in scholarship, extra-curricular activities, and service to the University.

Alpha Kappa Psi Prize.—Beta Mu Chapter of Alpha Kappa Psi Fraternity awards annually a medallion to the male student who has completed ninety credit hours at The George Washington University and has attained the highest average grade of the students enrolled in economics, business administration, public accounting, public finance, and foreign commerce.

American Institute of Chemists Prize.-The District of Columbia Chapter of the American Institute of Chemists offers an annual prize of a medal and junior membership in the American Institute of Chemists to that graduating student, majoring in chemistry, who excels in scholarship and in the personal qualities of integrity and leadership.

Byrne Thurtell Burns Memorial Prize. This prize, in the amount of \$30, is awarded to the senior majoring in chemistry who shows the greatest proficiency in organic chemistry, as evidenced by a comprehensive examination, and who possesses such qualifications of mind, character, and personality as to give promise of future achievement.

Chi Omega Prize.-Phi Alpha Chapter of Chi Omega Fraternity offers annually a prize of \$25 to be awarded to the woman student in the graduating class with the highest record in the following social sciences: economics, sociology, political science, and history; combined with general excellence.

Colonial Dames Prize.—The Society of the Colonial Dames of America, Chapter III, offers annually a medal to be awarded to the student who, having maintained a record of distinction in American history,

submits the best essay upon a topic in Colonial history.

John Henry Cowles Prizes.—These prizes, founded in 1943 by John H. Cowles, Grand Commander of the Supreme Council of the Thirty-third Degree (Mother Council of the World) of the Ancient and Accepted Scottish Rite of Freemasonry, Southern Jurisdiction of the United States of America, are awarded annually to the two best scholars in the senior class of the School of Government. The prizes are as follows: first prize, \$60; second prize, \$30.

DeWitt Clinton Croissant Prize.—This prize, established by the late Professor DeWitt Clinton Croissant, consists of \$30, which is awarded annually to the undergraduate student who as a member of one of the University courses in drama or as a participant in University dramatics submits to the English Department the best essay on drama or the

theatre.

E. K. Cutter Prize.—The E. K. Cutter Prize in English was established by the late Marion Kendall Cutter "for excellence in the study of English." An annual prize of \$30 is awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude for and attainment in English studies.

Daughters of the American Revolution Prize.—This prize, established by the Daughters of the American Revolution of the District of Columbia, consists of \$15, which is awarded annually to the student who, having maintained a record of distinction in American history, submits the best essay upon a topic in the period of the American Revolution.

Isaac Davis Prizes.—These prizes, established by the Honorable Isaac Davis, of Massachusetts, in 1847, are awarded annually to such members of the senior class as shall have made the greatest progress in public speaking during their connection with the University. The prizes are as follows: first prize, \$15; second prize, \$10; third prize, \$5.

The award of these three prizes is determined by a public-speaking contest in which the participants deliver original orations. Only members of the senior class who are candidates for the degree of Bachelor of Arts or Bachelor of Science are eligible to compete.

William Thornwall Davis Prize.—This prize, established by the late Dr. William Thornwall Davis and consisting of monographs dealing with the field of ophthalmology, is awarded annually to the student doing

the most outstanding work in ophthalmology.

Delta Gamma Prize.—The District of Columbia Alumnae Chapter of Delta Gamma offers annually a prize of \$25, to the woman in the

graduating class who has achieved the highest scholastic average in her four-year college course.

Delta Zeta Prize.—Delta Zeta Sorority offers annually a prize of \$10, to be awarded to the student maintaining the highest average in the first year's work in botany.

Ellsworth Prize.—The Ellsworth Prize of \$25, established by the late Mr. Fritz von Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice.

Elton Prize.—The Elton Prize, established by the Reverend Romeo Elton, of Exeter, England, consists of \$10, awarded annually to the senior student having the highest average in the Greek language and literature.

Jess Frederick Essary Prize in Journalism.—This memorial prize in the amount of \$100, established in 1948 by Helen Essary Murphy, is awarded annually to a student who has given promise of sound citizenship and ability in "forthright reporting" in student publication and or under the jurisdiction of the Department of Journalism. The selection of the recipient will be made by a committee composed of the President of the University and two members of the faculty.

Joshua Evans III Prize in the Political and Social Sciences.—This memorial prize in the amount of \$35, "established by friends because of an outstanding life", is awarded annually to that man in the graduating class of The George Washington University "who has demonstrated his signal ability in the social and political sciences and who has given promise of the interpretation of that ability in good citizenship among his fellows". The selection of the recipient will be made by the President of the University and a committee from the Faculty of the Division of the Social Sciences.

Willie E. Fitch Prize.—The Willie E. Fitch Prize established in 1883 by James E. Fitch, Esq., in memory of his son, consists of \$40, which is awarded annually to a senior student for the best examination in chemistry.

Alice Douglas Goddard Prize.—This prize of \$40 was established in 1941 by Frederick Joseph Goddard of Georgetown, D.C., in memory of Alice Douglas Goddard, and is awarded annually to the upper division student making the highest average in American literature.

Edward Carrington Goddard Prize.—This prize, consisting of \$40, was established in 1923 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of Edward Carrington Goddard, class of '81, and is awarded to the junior or senior student making the highest average in the French language and literature.

James Douglas Goddard Prize.—This prize, consisting of \$40, was established in 1923 by Mary Williamson Goddard, Alice Douglas God-

dard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of James Douglas Goddard, class of '01, and is awarded to the senior

student making the highest average in pharmacy.

Morgan Richardson Goddard Prize.—This prize, consisting of \$40, was established in 1923 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of Morgan Richardson Goddard, and is awarded to the junior or senior student making the highest average in the following fields: economics, business administration, foreign commerce, and public accounting.

Gardiner G. Hubbard Memorial Prize in United States History.— This prize of \$30 was established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard, and is awarded annually to that member of the graduating class majoring in history who has maintained the highest standing in courses in United States

history.

Kappa Kappa Gamma Prize.—Kappa Kappa Gamma Sorority offers annually a prize of \$10 to the full-time freshman who achieves the best

record in Botany I and 2,

John Bell Larner Prize.—This prize, established by the bequest of John Bell Larner, consists of a medal which is awarded annually to that member of the graduating class in the Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws.

Mortar Board Prize.—This prize, consisting of a silver cup, is awarded annually to the woman student in the sophomore class having a scholar-ship average of B or higher and the most outstanding record in activities.

Omicron Delta Kappa Prize.—Alpha Delta Circle of Omicron Delta Kappa Fraternity offers annually a plaque to be awarded to "that member of the senior class (of Columbian College) who throughout his course has done the most constructive work in the furtherance and upbuilding of the University student activities".

John Ordronaux Prizes.—These prizes were established in 1909 by

the bequest of John Ordronaux.

The amount of \$70 is awarded to the member of the graduating class in the School of Medicine who has the highest scholastic standing.

The amount of \$35 is awarded annually to the student in the Law School who has attained the highest average grade in the first year, full-time course; and \$35 to the student who has attained the highest average grade in the second-year, full-time course.

Phi Eta Sigma Prize.—The George Washington University Chapter of Phi Eta Sigma offers each year to the male student attaining the highest scholastic average in his first full term of work, a choice book selected from the field of the recipient's major interest. The winner's

name will be engraved on a plaque in the Office of the Dean of the Junior College.

Phi Sigma Kappa Prize.—Phi Sigma Kappa Fraternity offers annually a silver cup to the winner of an oratorical contest, open to all freshmen.

Pi Beta Phi Prize. - A prize of \$20 is awarded annually by the District of Columbia Alpha Chapter of Pi Beta Phi Fraternity to that woman member of the senior class who throughout her college course has done the most constructive work in the promotion of student activities among the women of the University.

Ruggles Prize.—The Ruggles Prize, established by Professor William Ruggles in 1859, consists of \$15 awarded annually to a candidate for a

baccalaureate degree for excellence in mathematics.

Sigma Kappa Prize.—Zeta Chapter of Sigma Kappa Sorority offers an annual prize of \$10 to the student who passes the best examination in General Chemistry.

Sigma Tau Prize.—Xi Chapter of Sigma Tau Fraternity offers annually a medal to be awarded to that member of the freshman class in the School of Engineering who maintains the highest scholastic standing in the work of the entire year.

Staughton Prize.—The Staughton Prize, established by the Reverend Romeo Elton, consists of \$10 awarded annually to the senior student

making the best record in the Latin language and literature.

James MacBride Sterrett, Jr., Prize.—This prize, established in 1911 by Professor James MacBride Sterrett in memory of his son, consists of books awarded annually to that student who obtains the highest average in Physics 6, 7, and 8.

Charles Clinton Swisher Historical Club Prize. - This prize, established in 1936 by the Charles Clinton Swisher Historical Club and augmented in 1942 by the bequest of the late Professor Charles Clinton Swisher, is an annual prize of \$30 awarded to the student who submits the best essay covering some phase of medieval history.

Theta Tau Activities Plaque .- Gamma Beta Chapter of Theta Tau Fraternity offers annually a plaque to be awarded to that member of the senior class who has the most outstanding record in activities in the School of Engineering during the entire period of his attendance.

United Daughters of the Confederacy Prize.—This prize, established in 1946 by the General Lewis A. Armistead Chapter, number 2136, United Daughters of the Confederacy, consists of \$25, which is awarded annually to the student showing the greatest proficiency in the history of the Southern States.

Thomas F. Walsh Prize. - This prize, established in 1901 by Thomas F. Walsh, consists of \$30 awarded annually to that student who submits the best essay in Irish history.

Alexander Wilbourne Weddell Prize.-From a fund established in

1923 by Mrs. Virginia Chase Weddell, an annual prize of \$150 is awarded to a candidate for a degree who writes the best essay on the subject of "the promotion of peace among the nations of the world". The prize essays shall become the property of the University and shall not be printed or published without the written consent of the University. The University reserves the right to withhold the award if no essay attaining the required degree of excellence is submitted.

LOAN FUNDS

The following loan funds are available to students in the University in accordance with the qualifications placed thereon by the donors. Inquiries should be directed to the Office of the Comptroller.

University Student Loan Fund.—The Trustees of The George Washington University have established a loan fund amounting to \$10,000.

Daughters of the American Revolution Loan Fund.—The District of Columbia Chapters of the Daughters of the American Revolution have established an endowment fund of \$5,000, the income (\$2,666.76) of which is available for interest-bearing loans to descendants of patriots of the American Revolution.

Home Economics Loan Fund.—This fund in the amount of \$352.35, contributed by the D. C. Home Economics Association, is available for

loans to senior girls majoring in Home Economics.

Kellogg Medical School Loan Fund.—The W. K. Kellogg Foundation in Battle Creek, Michigan, has established a fund in the amount of

\$15,920.83 for loans to students in the School of Medicine.

Knights Templar Educational Loan Fund.—This fund, contributed and administered by the Grand Commandery of Knights Templar of the District of Columbia, is available for loans to students, preferably in the upper classes, who are residents of the District of Columbia.

Law Association Loan Fund.—The George Washington Law Association has established a loan fund in the amount of \$768 for loans

to students in the School of Law.

Henry Strong Educational Foundation.—The Henry Strong Educational Foundation, established at Chicago under the will of General Henry Strong, makes available a fund for loans to both men and women students under the age of twenty-five years.

Henry Strong-William A. Maury Loan Fund.—This fund, also allocated from the funds of the Henry Strong Educational Foundation, is to be loaned to students under the age of twenty-five years in the George

Washington University Law School.

Sutherland Medical School Loan Fund.—This fund, in the amount of \$1,200 and established by Mrs. Rose L. Sutherland, is available for loans to students in the School of Medicine.

REGULATIONS

A student enrolled in the University is required to conform to the University regulations and to comply with the rules and regulations

of the college, school, or division in which he is registered.

If a student knowingly makes a false statement or conceals material information on an application for admission, registration card, or any other University document, his registration may be canceled and he will be ineligible (except by special action of the Faculty) for subsequent registration in any unit of the University.

ATTENDANCE

A student is not permitted to attend classes until registration has been completed and fees due have been paid. Regular attendance : required. A student may be dropped from any course for undue absence. Tuition will not be refunded or reduced because of non-attendance.

A student who has been suspended, either for delinquency in payment of fees or for any other reason, is not permitted to attend classes during

the period of suspension.

For further regulations regarding attendance, consult the announcements of the several colleges and schools.

CONTINUOUS REGISTRATION

A student who withdraws or is suspended, or is otherwise absent from the University for one term or more, may re-enter and continue his work only under the rules and regulations in force at the time of his return. With the approval of the dean of the college or school concerned, a student may be granted leave of absence; such student should, however, remain technically in residence by paying the residence fee for each term he is absent.

For the purpose of this regulation, the summer sessions will not be

considered a term.

SCHOLARSHIP REQUIREMENTS

A student who fails to maintain the scholarship requirements of the college, school, or division in which he is registered may be dismissed from the University.

GRADES

Grades are not given out by instructors but are mailed to the student through the office of the Registrar at the close of each term. Upon request, a copy of the student's grades will be forwarded to his parent

or guardian.

The following grading system is used: A, excellent; B, good; C, average; D, passing; F, failing; Inc., incomplete (The grade "Incomplete" is a temporary grade assigned when all the required work of a course has not been completed and a satisfactory explanation has been given to the instructor.); W, withdrawn (W is followed by a letter grade indicating the quality of work the student was doing at the time of withdrawal); FW, failure for unauthorized withdrawal. (See "Withdrawal", below.) A course failed must be repeated with a passing grade in order to be credited. No student may repeat for credit a course in which he has received a grade of D or above. A grade of "incomplete" cannot be altered after the lapse of one calendar year except by action of the Faculty.

For graduate work, grades are indicated as "satisfactory", "unsatisfac-

tory", or "incomplete".

For the grading systems of the Law School and the School of Medicine, see the explanations in the announcements of those schools.

QUALITY-POINT INDEX

Quality points are computed from grades as follows: A, four points; B, three points; C, two points; D, one point; F, no points, for each

credit hour for which the student has registered.

Scholarship is computed in terms of the quality-point index, obtained by dividing the number of quality points by the number of credit hours for which the student has registered, both based on the complete collegiate record. Courses marked W or Inc. are not considered in determining the index. Grades in courses taken at another institution are not considered in computing the quality-point index.

EXAMINATIONS

Examinations are scheduled in all courses at the end of each term

or at the completion of the course.

A student guilty of dishonesty in examinations may be deprived of credit for the courses in which dishonesty occurs and may be dismissed from the University.

For further regulations regarding examinations, consult the announce-

ments of the several colleges, schools, and divisions.

WITHDRAWAL

A student who is obliged to withdraw from the University or from a course must immediately notify the dean of the college, school, or division in which he is registered.

Withdrawal from a course or from the University, without academic or financial penalty, requires the permission of the dean. Permission to withdraw from the University will not be granted a student who has not a clear financial record. (See "Fees and Financial Regulations", pages 21–26.)

Withdrawal between October 31 and the end of the fall term and between February 28 and the end of the winter term is permitted only in exceptional cases.

ACADEMIC AND FINANCIAL PENALTIES

The grade of FW (failing) will be given in a course dropped without the approval of the dean.

All charges for courses dropped without the approval of the dean must be met by the student. Reporting the dropping of a course to an instructor does not effect its discontinuance.

CHANGES IN PROGRAM OF STUDIES

A student may not change or drop (see "Withdrawals", above) courses or change his status to that of auditor except with the approval of the dean of the college, school, or division in which he is registered, upon presentation of adequate reasons for such changes.

Change from one section to another of the same course or from one major subject to another within the same college or school may be made with the approval of the dean. All requirements specified in the course of study to which the change is made must be satisfied before graduation.

Transfer from one college, school, or division to another may be made only with the approval of the deans concerned. Applications for such change should be made on the proper form, obtainable in the Office of the Director of Admissions, where it should be filed.

CREDIT

Credit toward a degree is given only after regular registration for and satisfactory completion of the required work of classes in the University, or upon the granting of advanced standing in accordance with the regulations of the several colleges, schools, and divisions.

On request the Registrar will issue to the student a balance sheet showing the amount of work completed and the amount necessary to complete the requirements for a degree.

In special instances, a person who has been admitted to the University may be registered, with the permission of the instructor, as an "auditor" in a class. An auditor is not required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

TRANSCRIPTS OF RECORD

Official transcripts of student records will be forwarded on request to other institutions. Unofficial copies of records will be issued to the student on request. No charge is made for the first three transcripts; a fee of one dollar is charged for each one thereafter. No certificate of work done will be issued for a student who does not have a clear financial record.

SUMMER SCHOOL CREDIT

A student who plans to attend summer school sessions at another institution with the intention of having credits so obtained apply toward graduation from this University must first secure the written approval of the dean of his college or school. In no event will such credits be recognized to an amount in excess of that which might be earned in a similar period in this institution.

PHYSICAL EDUCATION REQUIREMENTS

Students in the Junior College and freshmen and sophomores in the School of Engineering are required to take Physical Education 1-2 and 11-12 unless they are registered for less than 9 credit hours or unless regular employment during the day makes it necessary to take all classes during the evening hours.

Any other exemptions will be granted only upon written petition which has been recommended by the physical education department concerned and approved by the dean of the college or school in which

the student is registered.

A student entering the University with advanced standing is not exempt from the physical education requirements unless he has satisfactorily met the requirements elsewhere. Courses in military training are not accepted in satisfaction of these requirements.

The required medical and physical examinations, as specified by the departments of physical education, will be arranged at the time of regis-

tration.

GRADUATION REQUIREMENTS

To be recommended for graduation a student must have met the admission requirements of the college or school in which he is registered, completed satisfactorily the scholarship, curriculum, residence, and other requirements for the degree for which he is registered, and be free from all indebtedness to the University.

Application for Graduation.—Application for a degree should be filed in the Office of the Registrar at the time of registration for the first term of the senior or final year and may not be filed later than the date

specified in the University calendar.

Scholarship.—In all undergraduate divisions of the University the scholarship requirement for graduation is a quality-point index of at least 2.00.

The graduate student must meet the scholarship requirements for the particular degree for which he is registered.

Curriculum.—Curriculum requirements for each degree are stated under the college or school offering work in preparation for the degree.

Residence.—In all undergraduate divisions of the University (except the Junior college where fifteen credit hours are ordinarily required) a minimum of one year, or thirty credit hours, must be completed in residence. Summer term work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the dean of the college or school concerned to pursue work elsewhere, the work of the senior or final year must be completed in residence.

The graduate student must meet the residence requirements for the particular degree for which he is registered.

Attendance and Conduct.—The University reserves the right to refuse to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

Thesis or Dissertation.—A thesis or dissertation submitted in partial satisfaction of requirements for the Master's degrees, the professional degrees in engineering, the degree of Doctor of Education, the degree of Doctor of Juridical Science, or the degree of Doctor of Philosophy must be presented in its final form to the dean of the college or school concerned not later than the date specified in the University calendar. Three* copies of each thesis or dissertation are required, one typewritten original and two legible and complete carbon copies. Detailed instructions for the styling of all theses and dissertations should be obtained from the appropriate dean.

Accepted theses or dissertations, with accompanying drawings, become the property of the University and are deposited in the University Library, where the duplicate copies are bound and made available for circulation. Permission to publish or adapt material in the thesis or dissertation must be secured from the appropriate faculty.

Presence at Graduation.—A candidate is required to be present at the graduation exercises unless written application for graduation in absentia is approved by the dean of his college or school.

HONORS

With distinction.—In all undergraduate divisions of the University the degree may be conferred "with distinction", at the discretion of the Faculty, if a student attains a quality-point index of 3.50 or higher on all work taken at this institution except that taken during the term im-

^{*} In the School of Education, four copies.

mediately preceding the granting of the degree. To be eligible for this honor a student must have completed at this institution at least one-half

of the work required for the degree.

Special Honors.—Special honors may be awarded by the Faculty to any member of the graduating class for outstanding achievement in the student's major field of work on recommendation of the major department, under the following regulations:

1. The student must have his candidacy for special honors approved by the faculty member representing the major department or field not later than the beginning of the senior year.

2. The student must meet such other conditions as may be set at the

time his candidacy is approved.

3. No student will be awarded special honors unless he has a quality-point index of at least 3.00 on all work taken at this institution except that taken during the term immediately preceding the granting of the degree.

4. To be eligible for honors a student must have completed at this institution at least one-half of the work required for the degree prior to the beginning of the term immediately preceding the granting of the degree.

THE LIBRARY

A student registered in the University is entitled to the reference use of the University Library. The University Membership Card, issued

upon the payment of fees, must be presented as identification.

Library books, with the exception of those in the Law and Medical collections, may be drawn for home use for a period of two weeks. Any book which does circulate is subject to recall by the Librarian at any time. Reserve books and periodicals for collateral reading must be used in the reading rooms when the Library is open. With special permission they may be drawn for overnight use when the Library closes. A fine of twenty-five cents will be charged for the first hour or fraction of an hour and five cents for each hour or fraction thereafter that a reserve book is overdue. Grades of a student will be withheld until his library record is clear.

Hours

The University Library is open from 9:00 A.M. to 10:00 P.M. each class day (Saturday 9:00 A.M. to 5:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

The Law Library is open from 9:00 A.M. to 10:00 P.M. each class day (Saturday, 9:00 A.M. to 5:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

The Medical Library is open from 9:00 A.M. to 9:00 P.M. each class day (Saturday, 9:00 A.M. to 1:00 P.M.)

RIGHT TO DISMISS STUDENTS

The right is reserved by the University to dismiss or exclude any student from the University, or from any class or classes, whenever, in the interest of the student or the University, the University Administration deems it advisable to do so.

RIGHT TO CHANGE RULES

The University and its various colleges, schools, and divisions reserve the right to modify or change requirements, rules, and fees. Such regulations shall go into force whenever the proper authorities may determine.

VETERANS EDUCATION

The Veterans Office of the George Washington University operates as a service bureau for veterans interested in studying at the University and acts in a liaison capacity between the University and the Veterans Administration. Here advice will be given concerning the educational program of the University and the procedure for securing the educational benefits of the "GI Bill".

Veterans who are undecided concerning vocational plans will be referred to the Counseling Center for expert vocational guidance by experienced counselors and psychometrists.

Special bulletins on veterans educational opportunities at The George Washington University may be obtained from the Admissions Office.

AUTHORIZATION FROM THE VETERANS ADMINISTRATION

Prior to registration the veteran should obtain from the Regional Office of the Veterans Administration, 1825 H Street NW., a Certificate of Entitlement or, if entitled to vocational rehabilitation, a letter approving training under Public Law 16 for presentation to the Veterans Office of the University at the time of registration. A photostatic copy of separation papers must accompany the application for certification.

ADMISSION

The entrance requirements for the Junior College, Columbian College, and the School of Government, in other than the pre-professional curricula, have been somewhat modified for veterans who are deficient in the regular requirements for admission, but who have been found by psychological and educational tests able to undertake college work. Veterans who have been enrolled in another educational institution since leaving the service, or who have been out of the service for more than one year prior to the beginning of the term for which they seek admission, must qualify under the regular admissions policies. (For admission requirements and procedure, see pages 11-19.)

Credit for work done in the service schools is granted by the Junior College, Columbian College, the School of Engineering, and the School of Government provided the veteran has not been out of the service for three years or more. To be considered for such credit, veterans should submit to the Director of Admissions photostatic copies of their records indicating courses successfully completed with sufficient identification of the course to enable the Admissions Office to locate it in the Guide to Evaluation of Educational Experience in the Armed Forces.

CONTINUOUS REGISTRATION

By carrying a continuous program throughout the fall, winter, and summer terms, the veteran may complete a four-year college course in three calendar years with no interruption in his subsistence payments.

STUDENT LIFE

RELIGIOUS LIFE

The University recognizes the contribution that religion can make to the education of its students by encouraging them to participate in denominational clubs of their own choice. National Catholic, Hebrew, and Protestant bodies sponsor these religious organizations, which act as links between the University and the local churches. The Director of the University Chapel and the advisers to the various denominational organizations are available throughout the year for consultation on personal problems.

UNIVERSITY CHAPEL

The University Chapel is maintained as a non-sectarian expression of the faith of the University in the contribution that religion can make to the education of its students. Twenty-minute services are held Friday of each week at 12:10 P.M. Representative clergymen of Washington are guest speakers at these non-denominational services.

HEALTH ADMINISTRATION

The University maintains a hospital and a staff of medical officers with offices at the University.

Students are entitled to certain health services described under the Department of Health Administration.

LIVING ACCOMMODATIONS

Women Students.—Women students under twenty-one years of age who are enrolled for twelve or more credit hours of academic work in the University must have their residences approved by the Director of Activities for Women before their registrations can be completed. In the women's residence halls, single rooms with breakfast and dinner are \$60 and \$65 a month; double rooms, with the same service, are \$53 and \$58 a month a person. Applications for rooms should be made well in advance. Forms for application, together with detailed information, may be obtained from the Director of Activities for Women.

Men Students.—Welling Hall provides double room facilities for 102 students. Dining facilities are available to all residents of this dormitory. Rooms rent for \$24 a month a person. Single and double rooms are provided for 203 students in Draper and Bradley Halls. These are temporary dormitories and residence is restricted to veterans of World War II who are enrolled for a minimum of twelve credit hours of

academic work in the University. Single rooms are \$17 a month; double rooms are \$13 a month a person. The University maintains a limited number of temporary apartment units for married veteran students and their families subject to the same requirements for tenancy as above.

Application forms for reservations may be obtained from Director of Activities for Men, Building R, 2027 H Street, NW.

Information concerning private rooming and boarding facilities near the University for women students twenty-one years of age or older and for men students may be obtained at the offices of the Director of Activities for Women and the Director of Activities for Men, respectively. The reservation of rooms in private houses must be made by students.

STUDENT EMPLOYMENT

The prospective student who expects to earn any part of his expenses and who does not have a definite appointment to a position should have the means of support for at least one term.

Many out-of-town students secure positions in the departments of the Government in Washington by taking the United States Civil Service examinations in their home states.

Students wishing full or part-time employment, and graduates wishing positions for which their college work has prepared them, should apply at the Employment Office, 2131 G Street NW.

VOCATIONAL COUNSELING

The Washington Counseling Center, established by the University, is at 720 Twentieth Street NW. The Center offers educational and vocational counseling service, advice on social and personal problems, a psychometric service in tests and measurements, and the use of files of occupational information and training opportunities.

STUDENT ACTIVITIES

Control and administration of all student activities are outlined in a separate bulletin.

ELIGIBILITY FOR STUDENT ACTIVITIES

Any student registered in The George Washington University who has a general average of not less than C (2.00) is eligible to participate in non-athletic student activities, subject to conditions specified by the local or national organizations, approved by the Student Life Committee.

The rules and policies of the Southern Conference govern participation in inter-collegiate athletics.

RECOGNITION OF STUDENT ORGANIZATIONS

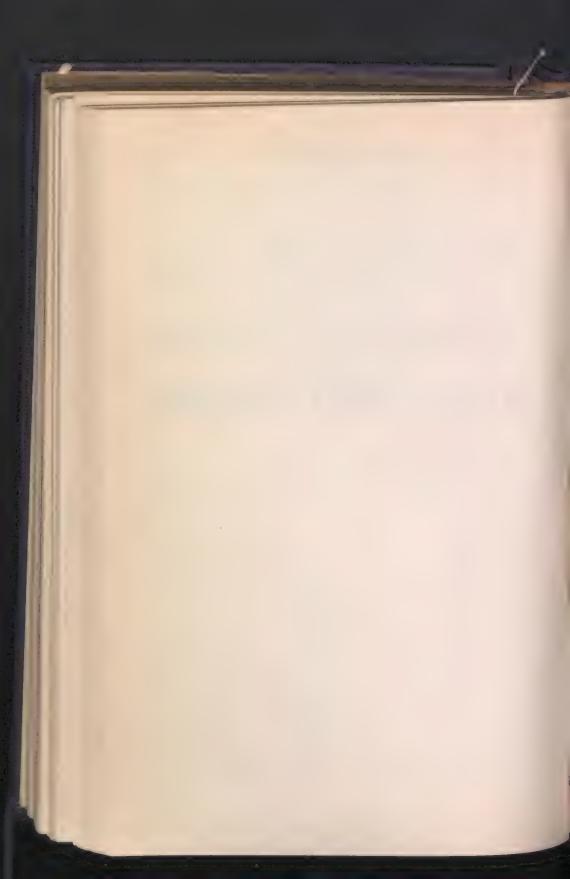
No student club or society (except social fraternities, sororities, scholastic honor societies, religious or professional clubs or societies) organized as a branch or affiliate of a non-George Washington University organization will be recognized by the Committee on Student Life.

PROPERTY RESPONSIBILITY

The University is not responsible for the loss, in any University building, of personal property belonging to a student.

For further information, catalogues, and application blanks, address the Director of Admissions.

THE COLLEGES, SCHOOLS, AND DIVISIONS



THE JUNIOR COLLEGE

THE FACULTY AND STAFF OF INSTRUCTION •

Cloyd Heck Marvin, Ph.D., LL.D., President of the University Myron Law Koenig, Ph.D., Dean of the Junior College William Lewis Turner, A.M., Assistant Dean of the Junior College Katharine Rogers Adams, Ph.D., Assistant Dean in the Junior College George Martin Koehl, A.M., Assistant Dean in the Junior College Carr Bartleson Lavell, A.M., Assistant Dean in the Junior College

Thomas Benjamin Brown, Ph.D., Professor of Physics Henry Grattan Doyle, A.M., LL.D., Litt.D., Professor of Romance Languages

Norris Ingersoll Crandall, M.Arch., Professor of Art Edward Henry Sehrt, Ph.D., Professor of German Walter Lynn Cheney, Ph.D., Professor of Physics Elmer Louis Kayser, Ph.D., LL.D., Professor of European History Donnell Brooks Young, Ph.D., Professor of Zoology Warren Reed West, Ph.D., Professor of Political Science Ruth Harriet Atwell, A.M., Professor of Physical Education for Women Francis Edgar Johnston, Ph.D., Professor of Mathematics Benjamin Douglass Van Evera, Ph.D., Professor of Chemistry Merle Irving Protzman, Ph.D., Professor of Romance Languages Ralph Dale Kennedy, Ph.D., Professor of Accounting and Business Administration

\$Wood Gray, Ph.D., Professor of American History Florence Marie Mears, Ph.D., Professor of Mathematics Thelma Hunt, Ph.D., M.D., Professor of Psychology Arthur Edward Burns, Ph.D., Professor of Economics Ira Bowers Hansen, Ph.D., Professor of Zoology Paul William Bowman, Ph.D., Professor of Biology Lawson Edwin Yocum, Ph.D., Professor of Botany John Withrow Brewer, Ph.D., Professor of International Law Frances Kirkpatrick, A.M., Professor of Home Economics Louis Clark Keating, Ph.D., Professor of Romance Languages William Henry Myers, A.M., Professor of Physical Education for Men

On sabbatical leave winter term 1949-50.

The President of the University, the Dean and Assistant Deans in the College, the Registrar of the University, the Director of Admissions of the University, Professors, Adjunct Professors, Associate Professors, Associate

Harold Loran Geisert, Ph.D., Professor of Sociology
Samuel Nathaniel Wrenn, Ph.D., Professor of Chemistry
Charles Rudolph Naeser, Ph.D., Professor of Chemistry
Ernest Sewall Shepard, A.M., Professor of English Literature
Charles Watson Bliven, M.S., Professor of Pharmacy
Alan Thomas Deibert, A.M., Professor of Romance Languages
Donald Stevenson Watson, Ph.D., Professor of Economics
Myron Law Koenig, Ph.D., Professor of American History
Calvin Darlington Linton, Ph.D., Professor of English Literature
Charles Edward Gauss, Mus.B., Ph.D., Elton Professor of Philosophy
Donald Chenoweth Kline, B.Arch., Associate Professor of Classical Languages and Literatures

Helen Bennett Lawrence, A.M., Associate Professor of Physical Education for Women

Irene Cornwell, Ph.D., Associate Professor of French
Kathryn Mildred Towne, A.M., Associate Professor of Home Economics
Antonio Alonso, A.M., Associate Professor of Spanish
Charles William Cole, Ph.D., Associate Professor of American Litera-

ture

Gretchen Louisa Rogers, Ph.D., Associate Professor of German Wolfram Karl Legner, Ph.D., Associate Professor of German Joseph Henry Krupa, M.S., Associate Professor of Physical Education for Men

Elizabeth Burtner, A.M., Associate Professor of Physical Education for Women

Lubin Poe Leggette, A.M., Associate Professor of Speech
George Martin Kochl, A.M., Associate Professor of Physics
Robert Dale Campbell, A.M., Associate Professor of Geography
Robert Randal Meijer, Ph.D., Associate Professor of Physics
Lawrence Daniel Folkemer, Ph.D., Associate Professor of Religion
Robert Corbin Vincent, Ph.D., Associate Professor of Chemistry
William Lewis Turner, A.M., Associate Professor of English
Elbridge Colby, Ph.D., Associate Professor of Journalism
Averett Howard, A.M., Associate Professor of Composition
Curtis Edward Tuthill, Ph.D., Associate Professor of Psychology
George Francis Henigan, Jr., Ph.M., Associate Professor of Speech
Roderic Hollett Davison, Ph.D., Associate Professor of European History

Dorothy Helene Veon, A.M., Ed.D., Assistant Professor of Secretarial Studies

Edith Elizabeth Mortensen, Ph.D., Assistant Professor of Zoology Virginia Loretta Dennis, A.M., Assistant Professor of Physical Education for Women Reuben Esselstyn Wood, Ph.D., Assistant Professor of Chemistry Raymond George Hanken, B.S. in P.E., Assistant Professor of Physical Education for Men

Muriel Hope McClanahan, Ph.D., Assistant Professor of English Nels David Nelson, Ph.D., Assistant Professor of Mathematics Calvin Weir Pettit, Ph.M., Assistant Professor of Speech Carey DeWitt Eldridge, Ph.D., Assistant Professor of Romance Languages

Sam Clark Munson, M.S., Assistant Professor of Biology
Paul Edward Hanchett, Ph.D., Assistant Professor of Economics
Edwin Lockwood Stevens, A.M., Assistant Professor of Speech
James Harold Coberly, A.M., Assistant Professor of American Litera-

Willard Caldwell, Ph.D., Assistant Professor of Psychology Martin Steele Day, Ph.D., Assistant Professor of English Carr Bartleson Lavell, A.M., Assistant Professor of Sociology Phyllis Annette Nichols, A.M., Assistant Professor of English Vera Lillian Mowry, A.M., Assistant Professor of English *John Palmer Reesing, Jr., A.M., Assistant Professor of English John Walter Beardslee III, A.B., B.D., Assistant Professor of Religion James Cougan, A.M., Assistant Professor of Economics William Franklin Jewell III, M.S., Assistant Professor of Geography Daniel Remsen Norton, Ph.D., Assistant Professor of Chemistry William Frederick Sager, Ph.D., Assistant Professor of Chemistry Ronald Bettes Thompson, A.B., Assistant Professor of European History John Todd Wilson, Ph.D., Assistant Professor of Psychology Rafael Supervia, Doctor en Derecho, Assistant Professor of Spanish James Willard Harkness, B.S., Ed.M., Assistant Professor of Chemistry John Gage Allee, Jr., A.M., Assistant Professor of English Kennett William Yeager, Ph.D., Assistant Professor of Sociology Richard Catlin Haskett, A.M., Assistant Professor of American History Earl Larkin Williams, A.M., Lecturer in Mathematics Jacqueline Chevallaz Buhrman, A.M., Instructor in French Ruth Elsie Jones, A.B., Instructor in Composition Felicia Miller, A.M., Instructor in Spanish Ruth Shryhock Nelson, A.M., Instructor in Composition Theodore Peter Perros, B.S., Instructor in Chemistry Robert Malcolm Stewart, B.S., Instructor in Physics Arthur Castner Christman, Jr., B.S., Instructor in Physics Jean McQuiston Coover, A.M., Instructor in Physics Charles Lawrence Marks, A.M., Instructor in Statistics Emma Sue Phelps, A.M., Instructor in Speech Jonathan Dayton Stoddart, A.M., Instructor in Political Science

^{*} On leave of absence 1949-50.

William Adriance Withington, A.M., Instructor in Geography Edith Shores Surrey, A.M., Instructor in Speech Lee Sheward Bielski, A.M., Instructor in Speech John Etinger Tompkins, A.B., Associate in Physics Thomas Arthur Wiggins, B.S., Associate in Physics

COMMITTEES •

THE DEAN'S COUNCIL \$

1950

Thelma Hunt Edith Elizabeth Mortensen

1951

Charles Edward Gausa George Martin Koehl 1952

Wolfram Karl Legner Robert Corbin Vincent

COMMITTEE ON ADMISSION AND ADVANCED STANDING

William Lewis Turner, Chairman Carr Bartleson Lavell, Vice-Chairman

Alan Thomas Deibert Averett Howard Roderic Hollett Davison William Franklin Jewell

COMMITTEE ON SCHOLARSHIP

Katharine Rogers Adams, Chairman George Martin Koehl, Vice-Chairman

Donald Chenoweth Kline Kathryn Mildred Towne Wolfram Karl Legner Muriel Hope McClanahan

JUNIOR COLLEGE ADVISORY COMMITTEE

Dean of the Junior College, Chairman
Assistant Dean of the Junior College, Vice-Chairman

Samuel Nathaniel Wrenn Carr Bartleson Lavell George Martin Koehl Katharine Rogers Adams

The President of the University and the Dean of the Junior College are members ex officio of all committees.

[#] Elected by the Faculty.

GENERAL INFORMATION

INTRODUCTORY

The Junior College, which comprises the first two years of the standard four-year college program in the liberal arts and sciences, was established in 1930 as a part of the academic reorganization of the University. Prior to 1930, the four-year program had been administered by Columbian College since its organization in 1821.

The Junior College curricula continue the studies of a general cultural nature begun in the secondary schools, and lay a foundation for the more specialized work which is to follow. Emphasis is accordingly laid (1) upon the social, cultural, biological, and physical background of civilization (history, political science, physical and biological sciences, literature, etc.) and (2) upon the discipline necessary to the effective prosecution of more advanced work (English rhetoric and composition, foreign languages, mathematics, etc.).

The Junior College also provides the pre-professional work required for admission to the schools of Pharmacy, Education, and Government, and the first two years of the pre-professional work required by the schools of Medicine and Law.

In addition it provides two-year curricula in vocational training, leading to the degree of Associate in Arts.

ADVISORY SYSTEM

In order that students may have opportunities for assistance in planning their courses and also for obtaining personal, educational, and vocational advice in every phase of their academic work during the first two years, a number of members of the Faculty serve as advisers to Junior College students.

Members of the Faculty, selected for their knowledge of Junior College requirements and student programs, advise students in making up their programs of study for each term. A separate staff of experienced advisers under the chairmanship of the Dean assists those students who find it difficult to make adjustments to college life because of scholastic or other reasons. Students who are "warned" or who are on probation may be required to consult these advisers at regular intervals. Students are encouraged to consult any member of the Advisory Staff or their instructors about college problems at any time.

Copies of notices of "warning" or probation will be sent to the parents or guardians of students on request, and the Dean and members of the Advisory Staff are available for consultation with parents or guardians concerning student problems.

REGULATIONS

Students in the Junior College are subject to, and are expected to familiarize themselves with, the regulations regarding ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 11-23, and the University regulations stated on pages 35-41.

SCHOLASTIC-APTITUDE TESTS

Students admitted to the Junior College may be required to take the scholastic-aptitude tests of the University.

REQUIRED PLACEMENT EXAMINATIONS

English.—Special placement examinations, required of all entering freshmen, will be conducted by the English Department. Students registered in English I are tested in the minimum essentials of standard usage, vocabulary, writing skill, and reading speed and comprehension. Those students who show marked superiority may be exempted from one or both terms of the course; those who are inadequately prepared for the course will be assigned to English A.

Romance Languages.—A standardized placement examination will be required of all entering students who wish to continue in college the language begun in high school. Upon completion of the examination assignment will be made to the appropriate course with credit to be assigned on the usual basis. This does not apply to students whose previous experience in a given language is equivalent to two college years.

The Use of Correct English.—The use of correct English, oral or written, is required not only in English but also in all other courses (see pages 74-75).

FIRST- AND SECOND-GROUP COURSES

A Junior College student may not take second-group courses (courses numbered 101-200) without the written permission of the instructor and of the Dean of the Junior College. A student will not be permitted to postpone a first-group course, required under the curriculum for which he is registered, in order to take a second-group course for elective credit. The principle that first-group courses must be taken in the Junior College years, and advanced courses in Columbian College and the professional schools, will be rigidly adhered to in approving student programs. No student on probation is permitted to take second-group courses except by the express permission of the Committee on Scholarship.

AMOUNT OF WORK

Fifteen or sixteen credit hours, not including required physical education, constitute normal work. A student not on probation may be permitted by the Dean to take seventeen credit hours. A student having a quality-point index of 3.50 may, with the permission of the Dean, take eighteen or nineteen credit hours. No student may take more than nineteen credit hours, except with the permission of the Committee on Scholarship.

For an employed student working more than twenty-four hours a week, nine credit hours, not including required physical education, constitute normal work. An employed student not on probation may be permitted by the Dean to take ten credit hours. An employed student having a quality-point index of 3.50 may be permitted by the Dean to take twelve or thirteen credit hours.

A student previously unemployed who accepts employment subsequent to registration or at any time during a term is required to report that fact immediately to the Dean, to bring his progam within the limitations set by the Faculty for the amount of work to be carried by an employed student.

ATTENDANCE

The student is held responsible to the instructor in charge of the course for which he is registered for all the work of the course, and all absences must be excused before provision will be made for him to make up the work missed.

With the exceptions noted below, occasional absences, not to exceed in number for each term the credit hours for the term, will be automatically excused. (If a course has distinct divisions such as lectures, laboratories, recitations, etc., these excuses apply pro rata to such separate divisions.) In the application of this rule absences immediately preceding or following holiday periods are to be counted double.

Such automatic excuses are intended to cover the occasional minor exigencies and not to constitute an indiscriminate privilege. A student on probation is allowed no automatic excuses.

Excuses for absences from two or more consecutive class periods, and for absences from examinations which have been announced in advance, can be obtained only by making written application to the instructor in charge of the course.

A student whose absences from any class, whether excused or unexcused, are in excess of one-fourth of the total number of class periods will receive the grade of F for the course, except by special ruling of the Dean on recommendation of the instructor in the course.

CLASSIFICATION OF STUDENTS

A student who has satisfactorily completed at least thirty-two credit hours of work, including eighteen credit hours in his curriculum requirements, is classed as a sophomore.

THE DEGREE OF ASSOCIATE IN ARTS

Upon the satisfactory completion of the requirements of the Junior College, the degree of Associate in Arts is conferred.

REQUIREMENTS FOR THE DEGREE

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

In order to receive the degree of Associate in Arts a student must

have a quality-point index of at least 2.00.

Honor Roll.—The name of every student who has a quality-point index of 3.50 or higher will be placed on the honor roll and published. No consideration is given to those who have completed a total of less than fifteen credit hours. A place on the honor roll does not necessarily mean that the student will receive honors upon graduation.

Probation .- A student must maintain a quality-point index of at least

2.00 or be placed on probation.

A student remains on probation as long as his quality-point index is below 2.00; however, the student who has a quality-point index between 1.50 and 2.00 will be considered by the Committee on Scholarship, which may retain him on probation or suspend him.

Suspension.—A student who has a quality-point index below 1.50 will be suspended; however, a student who has a quality-point index between 1.40 and 1.50 will be considered by the Committee on Scholarship, which

may retain him on probation or suspend him.

A student who is subject to probation for the third time, whether successive or after an interval, will be suspended.

For the purpose of these rules, the work taken in the summer ses-

sions is considered one term.

A student suspended for poor scholarship may apply for readmission after an interval of two terms. On application for readmission the student must submit specific evidence to the Committee on Scholarship that he is better qualified to pursue college work. A student suspended twice for poor scholarship will not be readmitted.

The foregoing scholarship rules are applied when a student has undertaken a minimum of 12 hours. Thereafter, the rules are applied in

multiples of nine hours.

Warnings.—At stated intervals during the academic year instructors file in the Office of the Junior College the names of those students who are doing work of I) grade or lower. A "warning" will then be sent to the student and a copy of the warning filed with the appropriate adviser. A "warning" constitutes notice to the student that he must con-

sult his instructor and adviser at the earliest opportunity. "Warning periods" are established between the 7th and 8th weeks of the fall and winter terms. In the Summer Sessions the student should consult his instructors on the basis of his record in the courses concerned.

CURRICULUM REQUIREMENTS

The satisfactory completion of sixty credit hours of college work, exclusive of physical education, is required as outlined in one of the Junior College curricula described below.

Except for students registered for the combined degrees of Bachelor of Arts and Doctor of Medicine, not more than twelve credit hours of professional courses may be included in the one hundred and twenty credit hours required for the Bachelor's degrees in Columbian College. Junior College students electing professional courses under this rule must obtain the approval of the Dean of the Junior College.

Physical Education Requirements.—Physical education is required of all students in the freshman and sophomore years. (See "Physical Education Requirements", page 38.)

Foreign-Language Requirements.—For the degree of Associate in Arts a student must have completed satisfactorily the equivalent of two years of college work in a single foreign language. (See "Placement Examinations", page 54.)

A student offering for admission four acceptable high school units of a single foreign language, or the equivalent, is not required to take any foreign language. If he offers three units, he must complete the second term of the second-year college course in the same language. If he offers two units, he must complete the entire second-year college course in the same language (except in the Pre-Pharmacy Curriculum, where he may substitute another language or elective). If he offers one unit, he must complete the second term of the first-year college course and the entire second-year course in the same language.

In some instances foreign languages are required or recommended as a Preparation for advanced work in Columbian College and the professional schools. The student should consult his adviser as to these requirements, so that appropriate foreign languages may be included, when necessary, in his Junior College program.

Curricula for Admission to Columbian College and the Professional Schools

Each of the following curricula comprises the first two years of a standard four-year college course and prepares the student for upper division work. Requirements for graduation from the Junior College may not be the same as the requirements for admission to Columbian

College or a professional school. Therefore, the student should consult the specific admission requirements of the college or school for which he is preparing.

The first sixty credit hours of the ninety required for admission to the School of Medicine are undertaken in the Junior College. Each premedical program must be approved by the premedical adviser. For specific requirements, see "Admissions", page 15.

COLUMBIAN COLLEGE:

1. ARTS AND LETTERS *

The following two-year curriculum prepares for the Bachelor of Arts program in Columbian College:

	Hours
EnglishEnglish 1-2	6
English 51-52, 71-72, 91-92, Art 11-12, 71-72, Classical Languages 71-72, or Philosophy 51-52	0
Foreign Language See page 57 for foreign language requirement	12
Social Studies Economics 1-2, History 39-40 or 71-72, Political Science 9-10, or Sociology 1-2	6
ScienceBiology 1-2, Botany 1-2, Chemistry 11-12, Physics 5, 7 (6, 7) (5, 6), or Zoology 1-26	or 8
Physical Education . See page 38 for statement of requirement.	
Elective‡22	to 24
60	or 62

2. SCIENCE *

The following two-year curriculum prepares for the Bachelor of Science curriculum in Columbian College:

		Hours
English	English 1-2	6
	English 51-52, 71-72, 01-02, Art 11-12, 71-72,	
	Classical Languages 71-72, or Philosophy 51-52	
	(Elective if 6 hours of Social Studies are	6
	taken—see below)	

Students who have had high school courses in chemistry, mathematics, and physics should consult the description of the beginning courses in these helds. For the degree of Bachelor of Science, the student should obtain the advice of the major departments as to proper prerequisite and collateral courses for the intended major.

Credit is not given for courses elected in Physical Education or Secretarial Studies.

Foreign Language French or German or non-science elective Norg.—A reading knowledge of French or German is required. This may be satisfied by French 4 or German 4 or by special example.	edit urs 2
Mathematics Mathematics 1 6 or elections	6
Social Studies Economics 1-2, History 39-40, 71-72, Political Science 9-10, or Sociology 1-2 (Elective if 6 hours in the English, Art. Classical Lan-	
Science	
Physical Education . See page 38 for statement of requirement. Elective	7
Total	

SCHOOL OF PHARMACY:

The following two-year curriculum prepares for the Bachelor of Science in Pharmacy curriculum in the School of Pharmacy:

English 1-2 Foreign Language See page 57 for foreign language requirement Science Botany 1‡, Chemistry 11-12, Physics 5, Zoology 1 (Freshman year)	Credit Hours 6 6 18 11 3 1 17 8
Total	70

Credit is not given for courses elected in Physical Education or Secretarial Studies. Botsny 3 may be substituted.

SCHOOL OF EDUCATION:

I. EDUCATION

The following two-year curriculum prepares for the Bachelor of Arts in Education curriculum in the School of Education:

		Hours
Foreign Language	English 1-2 English 51-52, 71-72, or 91-92 (French, German, Latin, or Spanish) History 71-72 Listory	6 6 12 6
Social Studies	Economics 1-2; Geography 121-22; Hatchy 39-40; Political Science 9-10; or Sociology 1-2. (Those offering for admission two or more acceptable senior high school units in the Social Studies may be exempted from this	
Science and Mathematics	requirement)	
	r-2; Chemistry 11-12; Physics 5 and 6 or 7; Zoology 1-2; or Mathematics 3 and 6 or 6	or 8
	Psychology I and 23 Speech 11 of 21 Statistics 53	3
Physical Education . Electives	See page 38 for statement of requirement.	
	Total	00

2. HOME ECONOMICS

The following two-year curriculum prepares for the Bachelor of Science in Home Economics curriculum in the School of Education:

	Hours
English 1-2 English 51-52, 71-72; Speech 21, 22 (11, 21) Foreign Language French, German, Latin, or Spanish Social Studies Economics, History, Political Science, or So-	6 6 12
Science Chemistry 11-12 (Sophomore year) Psychology Psychology I Physical Education . See page 38 for statement of requirement. Curriculum Electives Home Economics 1, 22 (Freshman year) Home Economics 51, 62 (Sophomore year) Academic Electives (Freshman year) (Sophomore year)	3
Total	

Courses selected with the recommendation of the adviser in the Department of Home

3. PHYSICAL EDUCATION FOR MEN

The following two-year curriculum prepares for the Bachelor of Science in Physical Education curriculum in the School of Education:

		Ciedii House
English	.English 1-2	6
Social Studies	History 39-40, 71-72. Political Science 9-10, or Sociology 1-2 (Freshman year)	6
	omore year)	6
Science	Biology 1-2 or Zoology 1-2 (Freshman year)6	or 8
Physical Education .	See page 18 for statement of requirement.	
	Physical Education 42, 43-44, 47; Psychology	
	1, 22 (Freshman year)	14
171 .1	(Sophomore year)	12
Frective	To satisfy minimum required credits (Sophomore year).	
	Total:	
	Freahman year	OF 34

Sophomore year

4. PHYSICAL EDUCATION FOR WOMEN

The following two-year curriculum prepares for the Bachelor of Science in Physical Education curriculum in the School of Education:

F1	Credit Hours
English English 1-2	6
English 51-52, 71-72, or 91-92	6
Social Studies	
Sociology 1-2	6
Science Biology 1-2 or Zoology 1-2	or 8
* Hysical Education See page 28 for statement of requirement	
Curriculum Floring Planting Education of Action of the	
Curriculum Electives. Physical Education 13-14 (Freshman year)	4
i hysical Education 15-10, 10, 49; Esychology 1,	
Acada	16
Academic Electives. (Each year)	or 8
Total60	or 62

SCHOOL OF GOVERNMENT:

I. ACCOUNTING AND BUSINESS ADMINISTRATION

The following two-year curriculum prepares for the Bachelor of Arts in Government curricula in Accounting and in Business Administration in the School of Government:

	Hours
Accounting Business Administration 51-52 English Foreign Language See page 57 for foreign language requirement. Social Studies Economics 1-2; History 39-40 or 71-72; Political Science 9-10	12
Statistics	
Total	60

2. FOREIGN AFFAIRS

The following two-year curriculum prepares for the Bachelor of Arts in Government curriculum in Foreign Affairs in the School of Government:

	Cicnie
	Hours
	6
English English 1-2	
E spine I anguage See nage 57 for foreign language requirement.	13
Social Studies Economics 1-2, History 39-40, 71-72; Political	
Science 9-10	24
Science 9-10	- 0
Mathematics, Science Biology, Botany, Chemistry, Mathematics, Phys-	9
ice Statistics, of Zoology	Of o
Di : 1 E 1 .: Comment of requirement.	
Physical Education See page 38 for statement of requirement.	-
	62
Total	OL OP

3. STATISTICS

The following two-year curriculum prepares for the Bachelor of Arts in Government curriculum in Statistics in the School of Government:

	Hours
English English 1-2 Foreign Language See page 57 for foreign language requirement Social Studies Economics 1-2, Philosophy 51-52 Mathematics Mathematics 20 and prerequisites 3 Physical Education See page 38 for statement of requirement Elective	12 to 12
Total	

VOCATIONAL CURRICULA

In addition to the above curricula, all of which prepare for admission to upper division colleges and schools, the Junior College offers the following two-year terminal courses.

I. SECRETARIAL STUDIES

	Credit
English English 1-2	6
English 51-52, 71-72, or 91-92	6
Secretarial Studies 51	3
English 51-52, 71-72, or 91-92 Secretarial Studies 51 Social Studies Economics 1-2	6
GeneralSpeech II	
Business Administration 51	
Secretarial Skills* Secretarial Studies 1, 2, 11, 12, 15, 16, and 54	21
Physical Education See page 38 for statement of requirement.	
Elective(To be selected with approval of adviser)	12
_	
Total	60

2. ACCOUNTING

The required work may be completed in two years on a full-time basis or in three years on a part-time basis, with the approval of the adviser.

	REQUIRED	COUR	8E8	200	redit ours
Business	Administra	tion	51-52		6
Business	Administra	ation	IOI.	102	6
Business	Administra	ition	115		3
Business	Administra	ition	145		3
Business	Administra	tion	151-5	1	3
Business	Administra	tion	153		3
Business	Administra	ition	155		3
Business	Administra	tion	165		3
Economics 1-2					6
Economic	B 12I				3
English I-2					6
	Science 12				3
	Science 12				3
Physical Education					
See page 38 for statement of re-					
	ement.				
Electives					6
(To be selected with the ap-					
proval of the adviser.)					

** Qualified students, upon the approval of the adviser or the satisfactory completion of a placement test, may waive Secretarial Studies 1, 11, and 12. Other courses, approved by the adviser, will be substituted.

Examinations for Waiving Curriculum Requirements *

A Student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum requirements in that subject and may quality for registration in an advanced course. Passing this examination does not entitle the student to any hours of credit toward the degree. A student desiring to take such examinations should make written request of the Dean and pay the required fee at the Office of the Comptroller before the date of the examination specified in the University calendar.

Honors

The degree of Associate in Arts may be conferred "with distinction" upon the student who has a quality-point index of 3.50 or higher, provided that student has been in residence at the University for 30 hours, 15 of which must have been taken in the Junior College at the time the index is calculated.

This provision does not apply to the premedical student, all of whose required premedical work must be taken in a recognized college of arts and sciences.

COLUMBIAN COLLEGE

THE FACULTY AND STAFF OF INSTRUCTION .

Cloyd Heck Marvin, Ph.D., LL.D., President of the University Henry Grattan Doyle, A.M., LL.D., Litt.D., Dean of Columbian College Calvin Darlington Linton, Ph.D., Assistant Dean of Columbian College

Thomas Benjamin Brown, Ph.D., Professor of Physics Henry Grattan Doyle, A.M., LL.D., Litt.D., Professor of Romance Languages

Joseph Hyram Roe, Ph.D., Professor of Biochemistry Norris Ingersoll Crandall, M.Arch., Professor of Art Colin Mackenzie Mackall, Ph.D., Professor of Chemistry Edward Henry Sehrt, Ph.D., Professor of German Robert Whitney Bolwell, Ph.D., Professor of American Literature Walter Lynn Cheney, Ph.D., Professor of Physics James Henry Taylor, Ph.D., Professor of Mathematics Elmer Louis Kayser, Ph.D., LL.D., Professor of European History Errett Cyril Albritton, A.B., M.D., Professor of Physiology Donnell Brooks Young, Ph.D., Professor of Zoology Warren Reed West, Ph.D., Professor of Political Science Frank Mark Weida, Ph.D., Professor of Statistics Francis Edgar Johnston, Ph.D., Professor of Mathematics Benjamin Douglass Van Evera, Ph.D., Professor of Chemistry Mitchell Dreese, Ph.D., Professor of Educational Psychology Leland Wilbur Parr, Ph.D., Professor of Bacteriology Merle Irving Protzman, Ph.D., Professor of Romance Languages Alva Curtis Wilgus, Ph.D., Professor of Latin American History Wood Gray, Ph.D., Professor of American History Florence Marie Mears, Ph.D., Professor of Mathematics Thelma Hunt, Ph.D., M.D., Professor of Psychology Arthur Edward Burns, Ph.D., Professor of Economics Ira Bowers Hansen, Ph.D., Professor of Zoology John Albert Tillema, Ph.D., LL.M., S.J.D., Professor of Political Science Paul William Bowman, Ph.D., Professor of Biology Lawson Edwin Yocum, Ph.D., Professor of Bosany

The President of the University, the Dean and the Assistant Dean of the College, the Professors of the University, the Director of Admissions of the University, Professors, Adjunct On sabbatical leave winter term 1949-50.

On sabbatical leave fall term 1949-50.

John Withrow Brewer. Ph.D., Professor of International Law Louis Clark Keating, Ph.D., Professor of Romance Languages Harold Loran Geisert, Ph.D., Professor of Sociology Samuel Nathaniel Wrenn, Ph.D., Professor of Chemistry Charles Rudolph Naeser, Ph.D., Professor of Chemistry Howard Maxwell Merriman, Ph.D., Professor of American Diplomatic

History

Ernest Sewall Shepard, A.M., Professor of English Literature
George Winchester Stone, Jr., Ph.D., Professor of English Literature
Fred Salisbury Tupper, Ph.D., Professor of English Literature
Warren Andrew, Ph.D., M.D., Professor of Anatomy
Alan Thomas Deibert, A.M., Professor of Romance Languages
Chester Elwood Leese, Ph.D., Professor of Physiology
Donald Stevenson Watson, Ph.D., Professor of Economics
Myron Law Koenig, Ph.D., Professor of American History
Calvin Darlington Linton, Ph.D., Professor of English Literature
Charles Edward Gauss, Mus.B., Ph.D., Elton Professor of Philosophy
James Christopher Corliss, A.M., Adjunct Professor of Inter-American
Economics

Edward Campion Acheson, Ph.D., Associate Professor of Finance Donald Chenoweth Kline, B.Arch., Associate Professor of Art John Francis Latimer, Ph.D., Associate Professor of Classical Lan-

augges and Literatures

Antonio Alonso, A.M., Associate Professor of Spanish Irene Cornwell, Ph.D., Associate Professor of French Charles William Cole, Ph.D., Associate Professor of American Literature Gretchen Louisa Rogers, Ph.D., Associate Professor of German Wolfram Karl Legner, Ph.D., Associate Professor of German Lubin Poe Leggette, A.M., Associate Professor of Speech George Martin Koehl, A.M., Associate Professor of Physics Robert Dale Campbell, A.M., Associate Professor of Geography Robert Randal Meijer, Ph.D., Associate Professor of Physics Lawrence Daniel Folkemer, Ph.D., Associate Professor of Religion Robert Corbin Vincent, Ph.D., Associate Professor of Chemistry Elbridge Colby, Ph.D., Associate Professor of Journalism Curtis Edward Tuthill, Ph.D., Associate Professor of Psychology Roderic Hollett Davison, Ph.D., Associate Professor of European History George Francis Henigan, Jr., Ph.M., Associate Professor of Speech Wolfgang Herbert Kraus, Dr. Jur., S. J.D., Associate Professor of Polit-

ical Science
Edith Elizabeth Mortensen, Ph.D., Assistant Professor of Zoology
Reuben Esselstyn Wood, Ph.D., Assistant Professor of Chemistry
Nels David Nelson, Ph.D., Assistant Professor of Mathematics
Calvin Weir Pettit, Ph.M., Assistant Professor of Speech

Sam Clark Munson, M.S., Assistant Professor of Biology Edwin Lockwood Stevens, A.M., Assistant Professor of Speech James Harold Coberly, A.M., Assistant Professor of American Literature

Willard Caldwell, Ph.D., Assistant Professor of Psychology
Ronald Bettes Thompson, A.B., Assistant Professor of European History
William Frederick Sager, Ph.D., Assistant Professor of Chemistry
John Walter Beardslee III, A.B., B.D., Assistant Professor of Religion
William Franklin Jewell III, M.S., Assistant Professor of Geography
John Todd Wilson, Ph.D., Assistant Professor of Psychology
John Gage Allee, Jr., A.M., Assistant Professor of English
Alberto Vázquez, Ph.D., Lecturer on Spanish American Literature

COMMITTEES •

THE DEAN'S COUNCIL \$

1950 Howard Maxwell Merriman Charles Rudolph Naeser

1951 Gretchen Louisa Rogers Reuben Esselstyn Wood

Merle Irving Protzman James Harold Coberly

COMMITTEE ON ADMISSION AND ADVANCED STANDING

Calvin Darlington Linton, Chairman
Edith Elizabeth Mortensen, Secretary
Alan Thomas Deibert Charles William Cole

Robert Randal Meijer

COMMITTEE ON THE USE OF CORRECT ENGLISH

Averett Howard, Chairman

Edith Elizabeth Mortensen
Muriel Hope McClanahan

George Francis Henigan, Jr.

Martin Steele Day

COMMITTEE ON SCHOLARSHIP

Florence Marie Mears
Howard Maxwell Merriman

Florence Marie Mears
Antonio Alonso

of all remaintees.

The President of the University and the Dean of Columbian College are members ex officions.

Elected by the Faculty.

COMMITTEE ON STUDIES

The Dean of the College, Chairman

Antonio Alonso
(Languages and Literatures)
Frank Mark Weida
(Mathematics and Physical

Sciences)

Thelma Hunt
(Natural Sciences)
Wood Gray
(Social Sciences)

DIVISIONAL ORGANIZATIONS

LANGUAGES AND LITERATURES

Elbridge Colby, Chairman Martin Steele Day, Secretary

Educational Committee

Antonio Alonso, Chairman Fred Salisbury Tupper

John Francis Latimer

MATHEMATICS AND THE PHYSICAL SCIENCES

George Martin Koehl, Chairman William Frederick Sager, Secretary

Educational Committee

Samuel Nathaniel Wrenn, Chairman
Thomas Benjamin Brown Florence Marie Mears

NATURAL SCIENCES

Lawson Edwin Yocum, Chairman Edith Elizabeth Mortensen, Secretary

Educational Committee

Paul William Bowman, Chairman Angus MacIvor Griffin

Abraham Dury

SOCIAL SCIENCES

Ronald Bettes Thompson, Chairman Lawrence Daniel Folkemer, Secretary

Educational Committee

Harold Loran Geisert, Chairman

Donald Stevenson Watson

Roderic Hollett Davison

GENERAL INFORMATION

INTRODUCTORY

Columbian College was founded in 1821. James Monroe, then President of the United States, aided in obtaining the charter from Congress which established "The Columbian College in the District of Columbia" for the "sole and exclusive purpose of educating youth in the English, learned and foreign languages, the liberal arts, sciences and literature", with full power to confer all degrees "usually granted and conferred in colleges".

In 1930, when the Junior College was established, the name "Columbian College" was bestowed upon the senior college of liberal arts.

THE COLUMBIAN COLLEGE PROGRAM

In The George Washington University, the program for liberal arts and sciences extends from the general collegiate education of the Junior College (the freshman and sophomore years), through the instruction for the Bachelor's degrees of Columbian College (the junior and senior years), and the studies for the Master's degrees which are also in Columbian College, to the graduate discipline leading to the degree of Doctor of Philosophy, which is administered by the Graduate Council.

The purpose of Columbian College is to round out the program of liberal education begun in the Junior College and to bring to a focus educationally the individual talents and aptitudes of the student of liberal arts.

The program involves a comprehensive survey of a field of study, together with such knowledge of other fields as will contribute to the general educational development of the student. A field of study may be confined to one department or may involve a group of related courses in more than one department, or more than one division.

DIVISIONAL ORGANIZATIONS

The following divisions have been established in The George Washington University based on the relationship of course content, interrelation of methods and prerequisites, and similarity of background and viewpoint:

1. The Division of Languages and Literatures.—The departments of Classical Languages and Literatures, English, Germanic Languages and Literatures, and Romance Languages and Literatures.

2. The Division of Mathematics and the Physical Sciences.—The departments of Biochemistry, Chemistry, Mathematics, Pharmacology, Physics, and Statistics.

3. The Division of the Natural Sciences.—The departments of Anatomy, Bacteriology, Biology, Botany, Geography, Geology, Neurology, Pathology, Physiology, Psychology, and Zoology.

4. The Division of the Social Sciences.—The departments of Business Administration, Economics, Education, History, Law, Philosophy, Political Science,

Religion, Sociology, and Speech.

The departments under these University divisions function for Columbian College only in such fields of study as are appropriate for a senior college of arts, letters, and sciences.

REGULATIONS

Students in Columbian College are subject to, and are expected to familiarize themselves with, the regulations regarding Admission, Registration. Fees and Finances stated on pages 11-23, and the University regulations stated on pages 35-41.

PREREQUISITES.

It is assumed that a student entering Columbian College has met the requirements of the Junior College under the Arts and Letters curriculum or the Science curriculum. Following is a summary of these pre-

requisites:

The Arts and Letters curriculum: (1) Freshman English (6 credit hours) and an additional sophomore-year course (6 credit hours) in English, American, or European literature. A first-group course in Art, Classical Languages, or Philosophy may be substituted for the sophomore course in English. (2) Two college years (at least 12 credit hours) of a single foreign language or the equivalent (see foreign-language requirement, page 57), are required. A transfer student who has had foreign-language courses in another institution meeting 4 or 5 times a week may have acquired as much as 12 credit hours in a foreign language without having taken four terms (two full years). Such a student is required to take additional work here in the same language until he has completed four terms (or an equivalent combination of high school years and college terms). (3) At least one year (6 credit hours) in

social studies, chosen from first-group courses in History. Political Science, Economics, or Sociology, is required. (4) At least one year (6 or 8 credit hours) of a laboratory science (Biology, Botany, Chemistry, Physics, or Zoology), is required.

The remaining hours of the Junior College program (roughly a minimum of 22 to 24 hours) should be devoted to the prerequisite courses required by the prospective major department (as stated following the departmental staff in the courses of instruction section of the CATALOGUE) or recommended by the advisers in the field-of-study major (see pamphlets prepared by the respective advisers), together with appropriate electives.

The Science curriculum requirements in English are the same as those of the Arts and Letters curriculum, except that a year of a social study may be substituted for the sophomore requirement in English, Art, or Philosophy; in other words, the sophomore English and social studies requirements are combined, and may be met by taking at least 6 credit hours in English, Art, Classical Languages, Philosophy, or a social The foreign-language requirement is the same as for the Arts and Letters curriculum, except that French or German is specified. At least 6 credit hours in Mathematics must be taken; additional work in Mathematics is required of prospective majors in Chemistry or Physics. In science, the student should take courses in both biological and physical sciences, bearing in mind the prerequisites stated by the department under which he expects to major, as well as specified prerequisites in certain departments (such as Mathematics and Chemistry for majors in Physics, or Mathematics and Physics for majors in Chemistry).

A transfer student admitted to Columbian College with deficiencies in freshman or sophomore work (whether in amount or in distribution of courses), corresponding to the program outlined above, is required to begin to make up such deficiencies immediately upon admission to Columbian College, and to carry courses for that purpose each term until all the general education requirements described above are satisfied. Students transferring from the School of Government must complete pre-Columbian College requirements in science and in Sophomore English (or Art, Classical Languages, or Philosophy), as prescribed in the Arts and Letters curriculum.

AMOUNT OF WORK

A full-time student who is not on probation may take ordinarily not more than seventeen credit hours. A student employed more than twentyfour hours a week, who is not on probation, may take not more than ten credit hours.

A full-time student whose quality-point index is 3.50 or higher may take not more than nineteen credit hours. An employed student who meets the same standard may take not more than twelve credit hours.

A student previously unemployed who accepts employment subsequent to registration or at any time during a term is required to report that fact immediately to the Dean, in order that adjustments in schedule may be made, if necessary, to bring his program within the Faculty's limitations upon the amount of work to be carried by an employed student.

ATTENDANCE

The student is held responsible for all the work of the courses in which he is registered, and all absences must be excused by the instructor in charge before provision is made for the student to make up the work missed. Excessive absence in any course will lead to loss of credit in that course, even though other requirements, such as tests, term-papers, and examinations, are met.

CLASSIFICATION OF STUDENTS

A student who has completed less than thirty credit hours in Columbian College, and who has registered his major at the Office of the Registrar, is classed as a junior. A student who has completed thirty credit hours in Columbian College, including at least one course in his major, is classed as a senior. A student who has satisfactorily completed the work for the Bachelor's degree, and whose program of study has been approved and filed in the Office of the Registrar, is classed as a master in course.

INDEPENDENT STUDY PLAN

Under the independent study plan a student of demonstrated capacity, with special interest in the subject matter of a course, may be permitted to undertake independent study under the personal direction of an instructor, in accordance with the rules of the division in which the subject falls. Credit under this plan is limited to the specific course-credits as designated in the list of courses of instruction in the CATALOGUE.

CORRESPONDENCE AND HOME-STUDY COURSES

No credit is given for work done by correspondence or in home-study courses.

THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of Columbian College, the degree of Bachelor of Arts or Bachelor of Science is conferred.

In cooperation with the School of Medicine a seven-year curriculum leading to the combined degrees of Bachelor of Arts and Doctor of Medicine is offered.

REQUIREMENTS FOR THE DEGREES

RESIDENCE

For the residence requirement, see page 39.

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

In order to graduate, a student must have a general quality-point index of at least 2.00. In addition, he must have a quality-point index of at least 2.50 in his major subject.* Grades in courses taken at other institutions are not considered in computing the quality-point index.

In computing the quality-point index in the major, all second-group and third-group courses in the major field taken at the George Washington University are included, even though minimum requirements for the major may have been exceeded, except when registration for graduate credit is approved. Grades received in first-group courses are not considered.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed by the Committee on Scholarship.

Suspension.—A student who has a quality-point index below 1.00 or who is placed on probation for a third term, whether successive or after an interval, is suspended.

A student suspended for poor scholarship may apply for readmission after an interval of a calendar year. He must then submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

For the purpose of these rules, the summer sessions are considered a term.

The foregoing scholarship rules are applied to a student with a limited schedule only when he has undertaken a minimum of fifteen credit hours.

CURRICULUM REQUIREMENTS

The curriculum requirements for the Bachelor's degrees include at least sixty credit hours beyond the requirements of the Junior College (the curriculum in Arts and Letters or in Sciences) and the satisfactory completion of the major. Each program must be approved by the major department or division and by the Dean.

^{*} Except in a Field-of-Study Major.

At least twenty-four credit hours of the last sixty credit hours counted towards the Bachelor's degree must be taken in subjects * not included in the major field or department. The student should consult his major adviser at each registration regarding the inclusion in his program of suitably distributed electives, with a view to meeting this requirement before graduation.

Except for students registered for the combined degrees of Bachelor of Arts and Doctor of Medicine, not more than twelve credit hours of professional courses may be included in the one hundred and twenty credit hours required for the Bachelor's degrees in Columbian College. Columbian College students electing professional courses under this rule must obtain the approval, in advance, of the Dean of Columbian College.

After selecting a curriculum, a student may not change to another except by permission of the Dean and on condition that he fulfilled the requirements of the curriculum to which he changes as of the date when

the change is approved by the Dean.

Each student is required to select and file with the Registrar a choice of major upon entering Columbian College. He may change the major only with the consent of the Dean and of the department or division concerned, and must meet the requirements for the major to which he changes as of the date when the change is approved by the Dean.

First-group courses may be required as prerequisites to undergraduatemajor programs, but because of their introductory character may not be counted as part of such programs. (See "Explanation of Course Num-

bers".)

Examinations for Waiving Curriculum Requirements.—A student desiring to omit a required or prerequisite course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum or prerequisite requirement in that subject and may qualify for registration in an advanced course. Passing of this examination shall not entitle him to any credit toward the degree. A student desiring to take such examinations should make written request of the Dean and pay the required fee at the Office of the Comptroller before the date of the examination specified in the University calendar.

Whatever is deemed unsatisfactory may be reported by the instructor to the Dean and to the Committee on the Use of English. The Chairman of the Committee may assign supplementary work, without academic credit, varying in amount with the needs of the student. If the work prescribed is equivalent to a course, the regular tuition fee is charged. The granting of a degree may be delayed by failure to make up any

Art. Biology, Botany, Chemistry, Classical Languages and Literatures, Economics, English, Geography, Gool by, Germany Languages and Literatures, History, Journalism, Mathematics, Philosophy, Physics, Pol.t.cal Science, Psychology, Religion, Romance Languages and Literatures, Sociology, Speech, Statistics, Zoology.

such deficiency in English to the satisfaction of the Committee and the Dean.

Bachelor of Arts

The work of the junior and senior years, including a major in one of the following major fields, must be approved by the major department or division and by the Dean.

Major Fields.—American Thought and Civilization, Art (Appreciation or Drawing and Painting), Biology, Botany, Chemistry, Economics, English Literature, French Literature, Geography, Geology, Germanic Languages and Literatures, History, International Relations. Journalism, Latin American Civilization and Culture, Mathematics, Philosophy, Physics, Political Science, Psychology, Religion, Sociology, Spanish American Literature, Spanish Literature, Speech (Public Speaking, Theatre, or Speech Correction), Statistics, Zoology.

Combined Degrees of Bachelor of Arts and Doctor of Medicine.—A candidate for the combined degrees of Bachelor of Arts and Doctor of Medicine must: (1) complete the premedical college requirements (see page 15); (2) fulfill the Columbian College residence requirement of at least thirty credit hours; (3) obtain the approval of the Dean of Columbian College at the time of entering the School of Medicine; (4) obtain the recommendation of the Dean of the School of Medicine at the completion of all prescribed courses in the first year of the School of Medicine, at which time the degree of Bachelor of Arts will be conferred (professional work taken at another institution will not satisfy the major requirement for the combined degrees); (5) maintain throughout the entire course the scholarship level required for graduation.

Bachelor of Science

The work of the junior and senior years, including a major in one of the sciences mentioned below, must be approved by the major department or division and by the Dean.

Biological Sciences
Biology
Botany
Zoology

Physical Sciences
Chemistry
Mathematics
Physics
Statistics

THE UNDERGRADUATE MAJOR •

There are two types of undergraduate majors: the field-of-study major; and the departmental major.

[•] For a complete description of the undergraduate major, see the special bulletin.

THE FIELD-OF-STUDY MAJOR

Each Field-of-Study Major covers a carefully worked out field of coordinated study and is under the supervision of the division or divisions concerned.

The Field-of-Study Major requires no specific number of credit hours, no specific program of courses, and no specific quality-point index for the major, although the student is required to meet the over-all general requirements for the degree (at least 120 credit hours, plus required physical education, with a quality-point index at 2.00). The Major Examination in the Field-of-Study Major replaces all of the traditional quantitative and qualitative requirements for a major. Ability to pass the Major Examination is assumed to be a convincing demonstration that the student possesses the breadth, depth, and quality of knowledge of his major usually defined in terms of credit hours, courses, grades, and a better-than-average quality-point index. A pamphlet prepared under the direction of the adviser in the field of study and obtainable either from the adviser or from the Office of the Dean of Columbian College provides the information needed by the prospective student, who should place himself under the direction of the appropriate adviser immediately upon completing Junior College work and beginning his junior year (the first senior-college year) in Columbian College.

The Field-of-Study Major places special emphasis on the intellectual development of the individual student. Programs in the same major may vary, depending upon the individual student's background, previous study, reading habits, and aptitudes. The student is expected to consult his adviser frequently, and the special proseminar offered in the field gives him further opportunity for individual advice and direction in pursuing a program especially adapted to his needs and abilities. A close student-adviser relationship is essential for the student's success under

the Field-of-Study Major plan.

The following Field-of-Study Majors are offered: (1) American Thought and Civilization, (2) Biology, (3) English Literature, (4) French Literature, (5) History, (6) International Relations, (7) Latin American Civilization and Culture, (8) Philosophy, (9) Spanish American Literature, (10) Spanish Literature, (11) Statistics, (12) Zoology.

Of the Field-of-Study Majors offered, two, those in International Relations and in Biology, extend broadly over the work of their respective divisions; and two, those in American Thought and Civilization and in Latin American Civilization and Culture, involve studies in two divisions, those of Languages and Literatures and of Social Studies. The other Field-of-Study Majors, with the exception of the major in Spanish American Literature, replace departmental majors in their respective fields. A candidate for a Bachelor's degree with a major in English

Literature, French Literature, History, Philosophy, Spanish Literature, Statistics, or Zoology must elect a Field-of-Study Major.

Proseminar in the Major

For the convenience of the student a proseminar is offered in each field of study, under the supervision of the division in which the major is taken. This course, planned and administered by the professor or adviser of the major subject, will advise, guide, and instruct the student in his reading, study, and laboratory exercises in order to assist him in gaining a coordinated knowledge of his field. It is a presentation of the content and methods of the major field as a whole through the organization and coordination of the knowledge obtained in the various formal courses in the major subject and of material not usually included in such courses. This course is not required. Six credit hours, but no qualitative grade, may be assigned. When registered in this course, the student will have the privilege of visiting, subject to the approval of the instructor, any other course offered in the College. (Regular attendance in a course, either for credit or as an auditor, requires registration and payment of tuition.) Proseminars are open only to the student who has been accepted as a candidate under that specific major.

THE MAJOR EXAMINATION

The Major Examination will normally be taken by the student at the close of the senior year; in the case of a student on a limited schedule, the Major Examination may be taken not earlier than one calendar year before graduation. A student who fails to pass a Major Examination may, at the discretion of the Columbian College Committee on Studies, be reexamined at a later regular major-examination period. The educational committees of the respective divisions will have general supervision of the preparation, reading, and grading of Major Examinations. Major Examinations will be held in each regular term on dates fixed by the respective educational committees, but in no case later than January 15 for the fall term, May 15 for the winter term, and August 7 for the summer term.

DEPARTMENTAL MAJORS

Departmental Majors, unlike Field-of-Study Majors, are specifically defined in terms of credit hours, required courses, and the attainment of a quality-point index of at least 2.50 in all second-group courses taken in the major field. The minimum specific requirements for Departmental Majors are listed below the staff of instruction of the department concerned in the section of the CATALOGUE devoted to courses of instruction. The Executive Officer of the Department, or his representative at registration, should be consulted concerning the

student's program of courses, and the entire program, including electives, must be approved by the Department. The student is also expected to consult the Executive Officer or adviser in all matters affecting his program of studies, such as changes, substitutions, or withdrawals, and especially concerning his progress in his courses. As far as possible the close student-adviser relationship developed in the Field-of-Study Major will be cultivated also in Departmental Majors.

Until further notice Departmental Majors will be offered in the following: Art, Botany, Chemistry, Economics, Geography, Germanic Languages and Literatures, Journalism, Mathematics, Physics, Political

Science, Psychology, Religion, Sociology, and Speech.

THE MASTER'S DEGREES

Upon the satisfactory completion of the graduate requirements of Columbian College, the degree of Master of Arts or Master of Science is conferred.

DEFINITION OF THE MASTER'S WORK

The study leading to the degree of Master of Arts or Master of Science is a comprehensive survey of a field of knowledge. It is a continuation of the work of the student's undergraduate major and involves

a greater acquaintance with scholarly method.

The student must satisfy certain minimum requirements as to previous preparation, residence, ability to read an approved modern foreign (European) language, and courses taken; but these requirements, while essential, are regarded primarily as qualifying measures. The student's knowledge of his field, as demonstrated by his thesis and by the results of his Master's Examination (together with such other examinations involving special skills or techniques as the department or division may require), is the basis upon which the Master's degree is conferred.

MASTER OF ARTS

Graduate work leading to the degree of Master of Arts is offered in

the following fields.

American Literary and Cultural History, Bacteriology, Biochemistry, Biology, Botany, Chemistry, Economics, English and American Literature, English Literature, French Literature, Geography, Germanic Languages and Literatures, History, International Relations, Latin American Civilization and Culture, Mathematics, Philosophy, Physics, Physiology, Political Science, Psychology, Spanish American Literature, Spanish Literature, Statistics, Zoology.

Special programs involving coordinated work in two or more departments may be arranged with the approval of the appropriate division or

divisions.

MASTER OF SCIENCE

Graduate work leading to the degree of Master of Science is offered in the following fields:

Bacteriology, Biochemistry, Biology, Botany, Chemistry, Mathematics,

Physics, Physiology, Psychology, Statistics, Zoology,

Special programs involving coordinated work in two or more departments may be arranged with the approval of the appropriate division or divisions.

REQUIREMENTS FOR THE DEGREES

RESIDENCE

An academic year of residence in Columbian College is required, i.e., completion of a minimum of thirty credit hours of work including the thesis, which is counted as the equivalent of six credit hours of course work. Summer term work may be counted in residence, but in no case may the period of residence aggregate less than twenty-seven weeks. Not more than twelve credit hours (which must be approved in advance by the Dean of Columbian College) may be taken in another school or division of this University, and such work may not be counted toward both a degree in that school or division and the Master's degree in Columbian College. No part of the minimum requirement may be taken elsewhere. All work for the degree of Master of Arts or Master of Science must be completed within a maximum of three years, unless the Dean's Council considers the circumstances so unusual as to justify an extension of time.

SCHOLARSHIP

A student whose scholarship is unsatisfactory may be suspended by the Dean upon recommendation of the Division under which the student is working. Regarding the system of grading, see pages 35 and 36.

PROGRAM OF STUDIES

The student's program of studies must be outlined in detail at the beginning of his work, in triplicate, on forms available at the Office of the Dean. Each program is subject to the approval of the department and the division. The program may be revised as the occasion requires, but any change necessitates a repetition of the procedure just discribed.

Courses numbered from 1 to 100 may not be credited toward the Master's degrees, but may in certain instances be required as a basis for advanced work. (See "Explanation of Course Numbers".)

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so

to plan his program from the beginning that work for the lower degree may help to prepare him for the higher.

ADMISSION TO CANDIDACY

A student must be admitted to candidacy before he begins the last half of his work for the Master's degree. Application for admission to candidacy is made on a form obtained at the Office of the Registrar, and must be approved by the appropriate representative of the department or division and by the Dean. If a prospective candidate, in his previous academic work, has not substantially satisfied the prerequisites for the Master's degree, including the undergraduate major as defined by the appropriate department or division, he will not be admitted to candidacy until such deficiency has been made up. He may make up his deficiencies by electing appropriate courses in addition to those counted towards his degree.

Before being admitted to candidacy the student must also show that he has a reading knowledge (certified by the appropriate foreign-language department) of at least one modern foreign (European) language, selected by the division under which he is studying. A student whose field is a modern foreign language or literature may not offer that language in satisfaction of the reading-knowledge requirement. Examinations in modern foreign languages will ordinarily be given only on the dates specified in the University calendar. In exceptional circumstances the respective departments will arrange for examinations at other times.

THE MASTER'S THESIS

The thesis may be of a research, expository, critical, or creative type. The main purpose of a Master's thesis is to demonstrate the student's ability to make independent use of the information and training acquired through his other disciplines, and to furnish objective evidence of his constructive powers in his chosen field. Registration for the thesis must be no later than the beginning of the final year of preparation, unless the professor in charge of the thesis permits registration at the beginning of the final term. The choice of the thesis subject must be approved by the professor in charge of the student's field and recorded in the Office of the Registrar by the date announced in the University calendar. Registration for the thesis is ordinarily made on the basis of three credit hours a term for two successive terms. In exceptional cases, and with the approval of the professor in charge of the thesis, the student may register for the entire six credit hours during a single term. The typewritten thesis in its final form must have the approval of the professor in charge of the student's field and of the educational committee of the division concerned, and must be presented to the Dean by the student not later than

the date announced in the University calendar. Requirements regarding the form of the thesis are stated on page 39, and additional information will be supplied by the Dean.

Payment of tuition for the thesis entitles the candidate, during the academic year of registration, to the advice and direction of the member of the faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period the student must register for it again, and pay tuition on the same basis as for a repeated course.

THE MASTER'S EXAMINATION

In addition to such other examinations as may be required, the candidate must pass a general written examination on the major subject. Examinations will be held on dates fixed by the respective educational committees, but in no case later than January 15 for the fall term, May 15 for the winter term, and August 7 for the summer term. The provisions of the field-of-study plan for undergraduate majors which concern the general examination for the major also apply to the Master's Examination. A candidate who fails to pass the Master's Examination may, in exceptional circumstances and with the specific approval of the division concerned, repeat the examination, but only after the lapse of one term. If he fails a second time, no further opportunity to take the examination will be permitted.

THE GRADUATE COUNCIL

Cloyd Heck Marvin, Ph.D., LL.D., President of the University Robert Whitney Bolwell, Ph.D., Chairman of the Graduate Council

MEMBERS OF THE COUNCIL

Thomas Benjamin Brown, Ph.D., Professor of Physics Charles Sager Collier, A.B., L.L.B., S.J.D., Professor of Law

Henry Grattan Doyle, A.M., LL.D., Litt.D., Professor of Romance Languages Joseph Hyram Roe, Ph.D., Professor of Biochemistry Colin Mackenzie Mackall, Ph.D., Professor of Chemistry Edward Henry Sehrt, Ph.D., Professor of German Robert Whitney Bolwell, Ph.D., Professor of American Literature James Henry Taylor, Ph.D., Professor of Mathematics Elmer Louis Kayser, Ph.D., LL.D., Professor of European History Errett Cyril Albritton, A.B., M.D., Professor of Physiology *Donnell Brooks Young, Ph.D., Professor of Zoology *George Antony Gamow, Physics D., Professor of Theoretical Physics Warren Reed West, Ph.I)., Professor of Political Science Frank Mark Weida, Ph.D., Professor of Statistics Francis Edgar Johnston, Ph.D., Professor of Mathematics Benjamin Douglass Van Evera, Ph.D., Professor of Chemistry Mitchell Dreese, Ph.D., Professor of Educational Psychology Leland Wilbur Parr, Ph.D., Professor of Bacteriology Winfred Overholser, A.B., M.D., Sc.D., Professor of Psychiatry Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., Professor of Law Merle Irving Protzman, Ph.D., Professor of Romance Languages Alva Curtis Wilgus, Ph.D., Professor of Latin American History SWood Gray, Ph.D., Professor of American History *Florence Marie Mears, Ph.D., Professor of Mathematics Thelma Hunt, Ph.D., M.D., Professor of Psychology *Arthur Edward Burns, Ph.D., Professor of Economics John Withrow Brewer, Ph.D., Professor of International Law Louis Clark Keating, Ph.D., Professor of Romance Languages

Paul Kenneth Smith, Ph.D., Professor of Pharmacology Samuel Nathaniel Wrenn, Ph.D., Professor of Chemistry Charles Rudolph Naeser, Ph.D., Professor of Chemistry

On sabbatical leave winter term 1949-50. On leave of absence fall term 1949-50.
On sabbatical leave fall term 1949-50.

Howard Maxwell Merriman, Ph.D., Professor of American Diplomatic

George Winchester Stone, Jr., Ph.D., Professor of English Literature Fred Salisbury Tupper, Ph.D., Professor of English Literature

Warren Andrew, Ph.D., M.D., Professor of Anatomy Chester Elwood Leese, Ph.D., Professor of Physiology

Donald Stevenson Watson, Ph.D., Professor of Economics Angus MacIvor Griffin, Ph.D., Professor of Bacteriology

William Webster Diehl, Ph.D., Adjunct Professor of Mycology Antonio Alonso, A.M., Associate Professor of Spanish

Carleton Raymond Treadwell, Ph.D., Associate Professor of Biochem-

CONSULTANTS IN RESEARCH

Albert Richard Behnke, M.D., M.S., Research Executive of the Naval Medical Research Institute; Physiology

Carl Robert Brewer, Ph.D., Chief, Bacterial Nutrition Branch, Basic Sciences Division, Chemical Corps, Camp Detrick; Bacterial Nutrition

Dean Burk, Ph.D., Principal Chemist, National Cancer Institute; Tissue Respiration in Biochemistry

Gerhard Colm, Dr. rer. pol., Economist, Council of Economic Advisers, Executive Office of the President: Public Finance

Paul Simon Galtsoff, Ph.D., Senior Biologist, Fish and Wildlife Service, United States Department of the Interior; Invertebrate Zoology

James Manson Hundley, B.S., M.D., Assistant Chief, Laboratory of Biochemistry and Nutrition, and Chief, Section on Physiology and Biochemistry of Nutrition, National Institute of Health; Physiology of Nutrition

Thomas Carlyle Jones, B.S. in Veterinary Medicine, D.V.M., Chief, Veterinary Pathology Section, Army Institute of Pathology; Comparative Pathology

Ladislaus Laszlo Marton, Ph.D., Physicist, Atomic Physics, Electronics Division, National Bureau of Standards; Electron Optics

Raymond John Seeger, Ph.D., Chief, Mechanics Division, Naval Ordnance Laboratory: Theoretical Physics

Lyman Bradford Smith, Ph.D., Associate Curator, Division of Phanerogams, Department of Botany, Smithsonian Institution; Taxonomy Alberto Vázquez, Ph.D., Chief, North and West Coast Branch Amer-

ican Republics Area Division, United States Department of State; Latin American Literature

Henry Welch, Ph.D., Chief, Division of Penicillin Control and Immunology, United States Food and Drug Administration; Antibiotics Willard Hull Wright, D.V.M., Ph.D., Scientist Director, United States
Public Health Service, and Chief, Zoology Laboratory, National
Institute of Health; Parisitology

GENERAL INFORMATION

INTRODUCTORY

The Graduate Council offers a program of advanced study and research leading only to the degree of Doctor of Philosophy. It was established in 1930 to replace the Graduate School which had formerly administered work for the Master's as well as the Doctor's degrees. The Graduate Council provides a doctoral discipline which moves freely across administrative lines dividing departments of instruction or fields of study. It gives personal supervision to a limited number of students, each of whom has his own consultative committee, examinations, and research direction.

ADMISSION PROCEDURE

For admission the student must possess adequate preparation for advanced study, including satisfactory Bachelor's and Master's degrees, or the equivalent, together with acceptable personal qualities and a capacity for creative scholarship. Previous graduate study should have been in

the same general field as that proposed for doctoral study.

Before applying, the student should have personal interviews with the Chairman of the Council and the professor in charge of the central field of study. After application and transcripts of previous academic training have been filed, the student meets his personal admission committee which makes its recommendations to the Council. He must demonstrate his ability to read both French and German, one of which must be passed at the time of admission, and he must present all other prerequisites for advanced study specified by the committee.

STUDY FOR THE COUNCIL FELLOWSHIP EXAMINATION

The discipline for the degree is divided into two stages. The first is made up of study in related fields of learning which support the general area of research concentration, culminating in the Council Fellowship Examination. The second stage is composed of research and investigation of a particular project in a special field and the presentation of such research in a written dissertation, culminating in the Final Examination.

At the beginning of the student's program of study leading to the Council Fellowship Examination, a consultative committee is assigned to direct his work in a group of fields of learning, usually five or six in number, deemed necessary to insure his breadth of knowledge and general competence for continuing independent research, as well as to support the dissertation project in his central field. Members of the consultative committee will advise the student concerning the scope and content of these supporting fields, and will assist the student in preparation for his examination in them.

This advanced study may be done by attending courses of instruction and graduate seminars, by conference with members of the student's committee, and by independent means. The examination, however, not credits or grades for work done in courses, is the sole test of the student's ability to enter upon the second phase of his doctoral discipline. The examination is a series of written tests usually extending over a period of one week. The major portion of a day is given to each part of the examination covering one of the fields of study on the student's program. If the results of the examination are satisfactory the student is admitted as a Fellow of the Graduate Council, to pursue his specialized study and research under the supervision of a member of the Council.

RESEARCH, THE DISSERTATION, AND THE FINAL EXAMINATION

After the student has been inducted as a Fellow of the Council and his research program has been arranged, he is responsible only to the member of the Council who directs his research project. As a Fellow, he may attend general meetings of the Council and participate in the programs of research discussion, and enjoy unrestricted use of all the academic facilities of the University. When necessary, the Graduate Council makes provision for sending the Fellow to some other institution, library, or laboratory for special study in connection with his doctoral investigation.

The doctoral dissertation is required of all Fellows as evidence of ability to perform scholarly research and to interpret its results. An extended summary of the dissertation is published in a periodical volume by the University for distribution to other institutions and libraries. Printed copies of detailed regulations concerning the dissertation are supplied to all candidates for the doctorate.

When the completed dissertation has been approved by the member of the Council in charge of the research project, the Fellow is presented for his final examination. This examination is oral and open to the public. The committee of examiners includes not only members of the Council competent in the research field or in closely related subjects,

but also at least two qualified experts from other research institutions brought to the University to participate in the examination. If the Fellow satisfies the examining committee concerning the high quality and originality of his contribution to knowledge as well as his mastery of the scholarship and research techniques of his field, the Council recommends him for the degree of Doctor of Philosophy.

POST-DOCTORAL STUDY

The Council expects its graduates to continue their interest in advanced study and research, and to contribute to its program. All graduates are listed as Associate Fellows and, upon request, will receive notices of all general meetings. They may continue any studies in the University without payment of tuition, and enjoy all University library privileges. Such graduates are required to pay only the usual residence fee in order to establish their active membership in the University. The use of laboratory space and equipment is contingent upon availability, and the cost of all laboratory or special library materials is paid by the graduate. Special arrangements for such privileges must be made with the Chairman of the Council. Post-doctoral work may not be applied toward any degree offered by the University.

REGULATIONS

Candidates and Fellows in the Graduate Council are subject to, and are expected to familiarize themselves with, the regulations regarding REGISTRATION, FEES AND FINANCES stated on pages 11-23, and the University regulations stated on pages 35-41.

RESIDENCE AND CONTINUOUS REGISTRATION

The Graduate Council expects all students to work on their doctoral programs in residence, although there is no formal regulation concerning the minimum amount of time of resident study either in preparation for the Council Fellowship Examination or as a Fellow of the Council engaged in doctoral research. The student who undertakes either part of the doctoral program on full or limited schedule must, in accordance with University regulations, maintain continuous registration under the Graduate Council even when the Council has granted a leave of absence for study or residence elsewhere. Failure to maintain registration in each term of the academic year disrupts the residence status of the student. In such a case, the student must reapply for admission to the Council, under whatever new conditions and regulations are set up by his consultative committee or the member of the Council who directs his research.

TEACHING FELLOWSHIPS AND GRADUATE ASSISTANTSHIPS

A limited number of Teaching Fellowships are assigned annually to certain departments of instruction open to doctoral students registered under the Graduate Council. An announcement regarding qualifications and application for these fellowships will be sent upon request to the Office of the Graduate Council.

In many departments of instruction graduate assistants are appointed to assist in the academic program. Applicants should inquire directly of the executive officer of the department concerned regarding vacancies and details of appointment.

A pamphlet describing details of the Graduate Council program, together with a current list of fields of research offered by the Council, will be sent upon request to the Office of the Graduate Council.

THE SCHOOL OF MEDICINE

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., President of the University
Walter Andrew Bloedorn, A.M., M.D., Sc.D., Dean of the School of
Medicine

Thomas Martin Peery, A.B., M.D., Director of Postgraduate Instruction

Joseph Hyram Roe, Ph.D., Professor of Biochemistry
Walter Freeman, Ph.D., M.D., Professor of Neurology
Walter Andrew Bloedorn, A.M., M.D., Sc.D., Professor of Medicine
Errett Cyril Albritton, A.B., M.D., Professor of Physiology
Roger Morrison Choisser, B.S., M.D., Professor of Pathology
Winfred Overholser, A.B., M.D., Sc.D., Professor of Psychiatry
Leland Wilbur Parr, Ph.D., Professor of Bacteriology
Frederick A. Reuter, M.D., Professor of Urology
Harry Ford Anderson, M.D., Professor of Dermatology and Syphilology
Daniel Bruce Moffett, A.B., M.D., Professor of Oto-rhino-laryngology
John Parks, M.S., M.D., Professor of Obstetrics and Gynecology
Preston Alexander McLendon, B.S., M.D., Professor of Pediatrics
Ernest Alfred Watson Sheppard, M.D., C.M., Professor of Ophthal-

Brian Blades, A.B., M.D., Professor of Surgery
Paul Kenneth Smith, Ph.D., Professor of Pharmacology
James Winston Watts, B.S., M.D., Professor of Neurological Surgery
Warren Andrew, Ph.D., M.D., Professor of Anatomy
Thomas McPherson Brown, A.B., M.D., Professor of Medicine
Lloyd Harvey Mousel, M.S., M.D., Professor of Anesthesiology
Chester Elwood Leese, Ph.D., Professor of Physiology
Angus MacIvor Griffin, Ph.D., Professor of Bacteriology
Radford Brown, M.D., Clinical Professor of Obstetrics and Gynecology
Thomas Carlton Thompson, B.S., M.D., Clinical Professor of Urology
Daniel LeRay Borden, A.M., M.D., Clinical Professor of Surgery
William States Andrews A.M., M.D., Clinical Professor of Physicians

William Staton Anderson, A.B., M.D., Clinical Professor of Surgery
William Staton Anderson, A.B., M.D., Clinical Professor of Pediatrics
Thomas Martin Peery, A.B., M.D., Associate Professor of Pathology
Carleton Raymond Treadwell, Ph.D., Associate Professor of Biochemistry
William Stanbro, M.D., Associate Professor of Radiology

Charles Samuel Wise, B.S., M.D., Associate Professor of Physical Medicine

Victor Fred Ludewig, A.B., B.S., Superintendent of the University
Hospital

COMMITTEES .

THE DEAN'S COUNCIL

Joseph Hyram Roe

Brian Blades

Winfred Overholser

COMMITTEE ON ADMINISTRATION OF THE UNIVERSITY HOSPITAL AND
OUTPATIENT DEPARTMENT

Walter Andrew Bloedorn, Chairman

John Parks Brian Blades Thomas McPherson Brown Victor Fred Ludewig

COMMITTEE ON ADMISSIONS

Leland Wilbur Parr, Chairman Thomas Martin Peery

COMMITTEE ON CURRICULUM

Thomas Martin Peery, Chairman

Leland Wilbur Parr John Parks Brian Blades

Thomas McPherson Brown

COMMITTEE ON GRADUATE STUDIES

Errett Cyril Albritton, Chairman

John Parks

Angus MacIvor Griffin

COMMITTEE ON LIBRARY

Chester Elwood Leese, Chairman

Thomas McPherson Brown
Thomas Martin Peery

Carleton Raymond Treadwell

Paul Calabrisi

COMMITTEE ON RESEARCH

Brian Blades, Chairman

Roger Morrison Choisser Thomas McPherson Brown

Angus MacIvor Griffin

^{*} The President of the University and the Dean of the School of Medicine are members ex officio of all committees.

COMMITTEE ON SCHOLARSHIP

John Parks, Chairman

Joseph Hyram Roe

Leland Wilbur Parr

Warren Andrew

COMMITTEE ON INTERN AND RESIDENT TRAINING

Lloyd Harvey Mousel, Chairman

Thomas Martin Peery John Parks Brian Blades
Thomas McPherson Brown

Victor Fred Ludewig

COMMITTEE ON HOSPITAL PRIVILEGES

Thomas McPherson Brown, Chairman

John Parks

Brian Blades

Advisory Committee on Postgraduate Instruction

Thomas Martin Peery, Chairman

Walter Freeman Winfred Overholser John Parks Ernest Alfred Watson Sheppard Brian Blades
Thomas McPherson Brown
Harry Filmore Dowling
Lewis Kaigler Sweet

GENERAL INFORMATION

INTRODUCTORY

The School of Medicine of The George Washington University was opened in March 1825; of the medical schools now in existence in the United States, it is the eleventh in chronological order of founding. The University Hospital and Outpatient Department were established in 1898 and made a part of the organization of the School.

The School is a member of the Association of American Medical Colleges and is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association. The degrees of the School of Medicine are recognized by all state examining boards.

PLAN OF INSTRUCTION

Each year of the medical curriculum is divided into two terms of sixteen weeks each. Beginning in June 1950, the schedule of the senior year will be on a quarterly basis covering a calendar year. The formal academic assignments will occupy three terms. The fourth term will

be free for the election of additional experience or investigative work, or for vacation. The senior class will be divided into four groups. Group I will be free in the summer; Group II, in the fall; Group III, in the winter; and Group IV, in the spring.

The Faculty of the School of Medicine will organize the electives for the free quarter so as to make them important factors in the program. It is planned that electives may include (1) junior internship; (2) investigative work; or (3) clinical experience under a general practitioner or specialist.

The salient features in the method of instruction are thorough laboratory training, demonstrations, and clinical teaching, with recitations and lectures to clarify the many problems presented. The clinical material in the various hospitals and outpatient departments is utilized to the fullest extent for both clinical instruction and laboratory work.

EQUIPMENT AND FACILITIES

The George Washington University Hospital.—The new hospital, with a capacity of 400 beds, was opened in 1948. This splendid new edifice, which is one of the outstanding hospitals in the United States, is completely furnished with the latest and most scientific apparatus and equipment. Its purpose is to supplement existing hospital resources in the District of Columbia for the care of the sick and the injured; the education of physicians, nurses, and technicians; and the advancement of medical knowledge.

The hospital is staffed and controlled by the Faculty of the George Washington University School of Medicine and it provides excellent clinical material for the instruction of medical students. Virtually every specialty in the fields of medicine and surgery has assigned space and equipment in both the outpatient department and the bed-patient section of this modern institution.

Medical School Building.—The building housing the School of Medicine is a five-story structure with lecture rooms and classrooms, laboratories, and students' rooms.

Laboratories.—A four-story laboratory building is adjacent to the main medical building. The major laboratories are for anatomy, histology and embryology, bacteriology, hygiene and preventive medicine, biochemistry, pathology, pharmacology and physiology, and clinical microscopy. They are fully equipped to enable students to pursue adequately the laboratory courses and to acquire the technical skill necessary in modern clinical and investigative work.

Medical Library.—The Library contains a selected reference collection of more than 10,000 volumes, and provision is made to add to it the important new medical works. The principal medical periodicals are received regularly.

GOVERNMENT LIBRARIES AND MUSEUMS

The Library of the Surgeon General's Office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library, as well as the Library of Congress, the Public Library, and the many excellent libraries of the various government departments, is available to students and teachers through a service maintained by the Medical School Library.

The Army Medical Museum affords opportunity for studying the conditions met in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequaled by any other museum in this country. The Museum of Hygiene, the National Museum, the Smithsonian Institution, the Botanic Gardens and the Department of Agriculture all afford opportunities for study in Medicine and its allied sciences.

CLINICS

The city of Washington, with about a million inhabitants, provides ample clinical material. The University Hospital and Outpatient Department furnish clinical facilities and a large proportion of the materials studied in the courses in pathology and clinical pathology.

The University Hospital.—All clinics are under the supervision of the Dean, who is also Medical Director of the Hospital. This insures the highest possible utilization of available clinical material for teaching purposes and the proper supervision of clinicians and students; it brings the individual student into direct contact with patients and requires him to do, under authoritative supervision, the clinical and laboratory work necessary for diagnosis and treatment; and it permits proper interpretation of the conditions occurring during the progress of cases and promotes the keeping of adequate records. Clinical and clinico-pathological conferences are held in which the history of cases, the physical findings, laboratory records and the post-mortem pathology, when available, are presented and correlated.

The Outpatient Department.—The Outpatient Department has clinical facilities for each Service in the Hospital. Fourth-year students are assigned in rotation by section for clinical instruction in the Outpatient Department.

patient Department.

Cancer Clinics.—The facilities of the Cancer Detection Clinic are available to medical students. In addition the diagnosis and treatment of various forms of neoplasms are presented. The results of the treatment of neoplasms are evaluated by follow-up studies.

The Helen L. and Mary E. Warwick Memorial, for cancer and allied diseases, was affiliated with The George Washington University in July

1948. The purposes of this clinic are (1) to provide care for cancer patients, through group consultations within a cancer organization, and

(2) to provide training for physicians in the field of oncology.

Gallinger Municipal Hospital.—Clinical instruction is available in all branches of medicine. A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District of Columbia, whereby patients are assigned for treatment and clinical teaching to members of the Faculty of this School, nominated by this University. Third-year students serve their clinical clerkships at this institution.

Childrens Hospital.—Clinical instruction in pediatrics, dermatology, and orthopedic surgery.

Emergency Hospital and Central Dispensary.—Clinical instruction in

medicine, surgery, and the specialties.

Garfield Memorial Hospital.—Clinical instruction in gynecology and obstetrics in the outpatient department, on the wards, and in the oper-

ating room.

St. Elizabeths Hospital.—Clinical instruction in mental and nervous diseases, medicine, post-mortem work, and gross pathology. This hospital, with 6,577 beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the world.

Episcopal Eye, Ear and Throat Hospital.—Clinical instruction in

ophthalmology, otology, rhinology, and laryngology.

Mt. Alto Hospital.—Clinical instruction in Medicine and Surgery is available and fourth year students are assigned in rotation by sections for clinical clerkships.

Walter Reed General Hospital.—Clinical instruction is available in all branches of medicine and surgery. Fourth year students are assigned

in rotation by sections for clinical instruction.

ADMISSION, REGISTRATION, FEES AND FINANCIAL REGULATIONS

Students in the School of Medicine are subject to, and are expected to familiarize themselves with, the regulations stated on pages 11-23.

Registration in the School of Medicine is for a period of one academic year. After the student has entered the courses of instruction he is obligated for the full tuition for the academic year. No part of the tuition will be refunded upon withdrawal or dismissal for any cause. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year.

A fee of \$3 to defray the costs of completing the records for final consideration for admission must accompany each application. This fee applies to students whose premedical training was completed at this Uni-

versity as well as to students who have not previously attended this

University. Fees for each term are \$325, payable in advance.

Because the number of applicants far exceeds the limit of each class, places can be reserved for only those qualified applicants who remit a deposit of \$100 which will be eredited toward the tuition of the first term. Should the matriculant be unable to attend, this initial payment, less a charge of \$50 for registration, transfer, etc., will be returned up to one month before the opening of the term.

Credit for work will not be given until, at the completion of a laboratory course, the student has replaced or paid for all articles of equipment or other University property which he has lost, broken, or destroyed. All breakage or loss not directly traceable to an individual student is

assessed pro rata.

COST OF TEXTBOOKS AND STUDENT EQUIPMENT

The minimum cost of necessary textbooks and student equipment (microscope, drawing materials, glass slides, clinical thermometer, stethoscope, hemocytometer, etc.) is approximately as follows: first year, \$400; second year, \$250; third year, \$90; fourth year, \$80; total \$820.

A fee of \$1 a term is charged for the use (optional) of a locker.

REGULATIONS

Students in the School of Medicine are subject to and are expected to familiarize themselves with, the general University regulations stated on pages 35-41.

ABSENCE

Absence is not allowed unless an excuse is obtained from the Dean or

Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun, or leaving before either is dismissed.

Excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician and must be filed in the Office of the Dean.

For every unexcused absence a department will deduct one-half of one per cent from the student's final grade in the subject involved.

GRADES

The following grading system is used: A (90-100); B (80-89); C (75-79); D (65-74) condition; E (below 64) failure; Inc., incomplete. The passing grade in each subject is C.

A student who is conditioned in any subject will not be advanced until such condition is removed and then only by authority of the Committee

on Scholarship. All conditions must be removed at the next make-up examination period provided for this purpose.

EXAMINATIONS

Examinations, which may be written, oral, or practical, will be held at the end of each term.

A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination, except by special permission of the Committee on Scholarship. For make-up examinations to remove conditions, a fee of \$5 will be charged for each subject.

All students in the School of Medicine are required to take Part I and Part II of the National Board Examinations, except that students from those states and foreign countries which do not recognize the National Board may be exempted from Part II by action of the Committee on Scholarship.

SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES

PHYSICAL EXAMINATIONS *

All first-year students are given a comprehensive physical examination by the Department of Health Administration upon admission to the School of Medicine. The students are informed of the findings and advised regarding such measures as will tend to maintain a high standard of health.

In addition medical students benefit from the complete Tuberculosis Case Finding Program which the School has maintained since 1938-39. Under this program all students receive tuberculin tests, X-ray examinations, and such special attention from chest specialists as is necessary to reduce to a minimum the dangers from tuberculosis to which medical students are believed to be subject. Students are immunized against those diseases for which proven prophylactics exist.

RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY, MEDICAL UNIT

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of the Army, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the unit.

The instruction is divided into two two-year courses, the basic and the advanced. Each course consists of 90 hours a year—58 hours of prescribed medical instruction given by the Medical School and 32 hours of military medical instruction. Students who satisfactorily complete the

[&]quot; A charge of \$2 is made if a student fails to appear for a physical examination during the period set for this purpose

basic course may, up to the quota allowed by the Department of the Army, enter the advanced course. Students in the advanced course receive, from the Government, a stipend of approximately \$700.

Students in the advanced course are required to complete the course

and to attend a summer training period of six weeks.

A student who successfully completes the course is recommended for a commission in the Medical Corps Reserve, if he desires appointment. It is the policy of the Department of the Army to give preference to graduates of this course in the selection for Army internship.

MEMBERSHIP IN THE UNIT

Membership in the Unit, which is voluntary, is open to any physically fit male student who is a citizen of the United States and who is, at the time of enrollment, within the following specified age limits: under 26 years of age for the basic course, under 29 for the advanced course. For veterans of World War II, there is no age limit until January 1, 1950, for the basic course; until January 1, 1952, for the advanced course. Veterans with a minimum of six months' service receive credit for the first year of the basic course; those with a minimum of twelve months' service receive credit for both years of the basic course.

COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with the states, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington 1, D. C.

DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments: Anatomy; Anesthesiology; Bacteriology, Hygiene, and Preventive Medicine; Biochemistry; Dermatology and Syphilology; Medicine; Military Science and Tactics; Neurology and Neurological Surgery; Obstetrics and Gynecology; Ophthalmology; Oto-rhino-laryngology; Pathology; Pediatrics; Pharmacology; Physical Medicine; Physiology; Psychiatry; Radiology; Surgery; and Urology.

CLINICS

Courses of clinical instruction are included in the announcements of the clinical departments. The Dean prepares schedules of clinics and of student section assignments to the various hospitals and dispensaries.

THE DEGREE OF DOCTOR OF MEDICINE

Upon the satisfactory completion of the requirements of the School of Medicine, the degree of Doctor of Medicine is conferred.

REQUIREMENTS FOR THE DEGREE

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four academic years of study as a matriculated student in Medicine, completed all required courses, and passed satisfactorily all prescribed examinations.

COMBINED ARTS AND MEDICINE CURRICULUM

In order to be recommended for the degree of Bachelor of Arts, the candidate must complete at least ninety credit hours of prescribed college work (at least thirty credit hours and one year of residence must be completed in Columbian College, the senior liberal arts college), and the first year of the medical curriculum. Upon satisfactory completion of the fourth year of the medical curriculum the student becomes eligible for the degree of Doctor of Medicine.

Honors

A candidate who has completed the four-year medical course with an average grade of A may be recommended for graduation "with distinction".

GRADUATE AND POSTGRADUATE OPPORTUNITIES

POSTGRADUATE INSTRUCTION

The School of Medicine offers annually a series of short intensive post-graduate courses, varying somewhat from year to year. The series is designed for physicians in practice. The significant advances in the various specialties are presented, together with summaries of older information. A distinguished Guest Faculty supplements the Staff of the Medical School.

The Kellogg Medical Lectures, inaugurated in 1948, are a series of evening lectures and clinics, designed primarily for physicians practicing in Washington and vicinity. They are also attended by the Faculty, post-graduate students, and members of the senior class of the School of Medicine.

During the academic year 1948-49, approximately 600 physicians were enrolled in postgraduate courses.

INTERN AND RESIDENT TRAINING PROGRAM

The George Washington University offers twenty internships which are divided into two categories of ten straight medical and ten straight surgical. All interns, regardless of the Service to which they are assigned, will be given a period of training in obstetrics and gynecology.

Accredited resident training will be offered in Anesthesiology, Medicine, Neurology, Obstetrics and Gynecology, Ophthalmology, Oral Surgery, Pathology, Radiology, Surgery.

TECHNICIAN TRAINING COURSES

ORTHOPTIC TECHNICIAN TRAINING COURSE

A six-month course, of 675 hours of clinical and classroom work, is offered for the training of orthoptic technicians by the Department of Ophthalmology.

MEDICAL TECHNOLOGISTS COURSE

The course for medical technologists consists of twelve consecutive months of didactic and practical work in all phases of clinical laboratory technique. The course meets the full requirements of the Registry of Medical Technologists and the American Society of Clinical Pathologists. Prerequisite: Biology, twelve credit hours of which at least six must be Zoology. The other six may be elected from: Histology, Embryology, Anatomy, Physiology, Parasitology, and Bacteriology. Chemistry: General Inorganic Chemistry, eight credit hours of which at least four credit hours must be laboratory work. Quantitative Analysis: at least four credit hours with not less than one credit hour of laboratory work. (Organic Chemistry may be substituted for Quantitative Analysis, for the present.) Electives: Sufficient to give a total of 60 hours of college credit. The following courses are highly recommended but they are not required: Physics, Biochemistry, Advanced Bacteriology, and Mathematics.

For application blanks and further information, address the Director of Admissions, The George Washington University, Washington 6, D. C.

THE LAW SCHOOL

THE FACULTY AND STAFF OF INSTRUCTION .

Cloyd Heck Marvin, Ph.D., LL.D., President of the University, Dean of the Law School

William Cabell Van Vleck, A.B., LL.B., S.J.D., LL.D., Professor of Law Charles Sager Collier, A.B., LL.B., S.J.D., Professor of Law William Thomas Fryer, A.B., LL.B., J.D., Professor of Law Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., Professor of Law Carville Dickinson Benson, A.B., LL.B., S.J.D., Professor of Law James Forcester Davison, A.B., LL.M., S.J.D., Professor of Law James Oliver Murdock, Ph.B., LL.B., Professor of Law Levi Russell Alden, A.M., LL.B., Adjunct Professor of Law George Bowdoin Craighill, A.B., LL.B., Adjunct Professor of Law James Ward Morris, A.B., Adjunct Professor of Law James Robert Kirkland, A.B., LL.M., Adjunct Professor of Law Bolitha James Laws, LL.M., Adjunct Professor of Law Frank Hammett Myers, LL.M., Adjunct Professor of Law Conder Caywood Henry, A.B., LL.B., Adjunct Professor of Law Elliott DeJarnette Marshall, LL.B., Adjunct Professor of Law John Wingfield Jackson, B.S., LL.B., Adjunct Professor of Law John Albert McIntire, A.B., LL.B., Professorial Lecturer in Law William Randall Compton, M.B.A., LL.B., J.S.D., Professorial Lecturer in Law

Justin Lincoln Edgerton, A.B., LL.B., Professorial Lecturer in Law; Clerk of the Moot Court

Charles Sylvanus Rhyne, LL.B., Professorial Lecturer in Law Karl Rhorer Price, A.B., LL.B., Professorial Lecturer in Law Raymond Stevens Smethurst, B.S., LL.B., Professorial Lecturer in Law Francis Gerald Toye, B.S. in E.E., LL.B., Professorial Lecturer in Law Philip Field Herrick, A.B., LL.M., Professorial Lecturer in Law Louis Loss, B.S., LL.B., Professorial Lecturer in Law George Edward Monk, A.B., LL.M., Professorial Lecturer in Law Harryman Dorsey, A.B., LL.B., Associate Professor of Law Robert McKinney Cooper, Ph.M., J.D., Associate Professor of Law

The President of the University, the Dean of the School, the Registrar of the University, the Director of Admissions of the University, Professors, Adjunct Professors, and Associate Professors constitute the Faculty.

*Leroy Sorenson Merrifield, A.B., LL.B., M.P.A., Associate Professor of Law

John Patrick Burke, A.B., LL.B., Associate Professor of Law
Donald James Farage, A.B., LL.B., Associate Professor of Law
Herman Israel Orentlicher, A.B., LL.B., Associate Professor of Law
*August Gottlieb Eckhardt, A.B., LL.M., Assistant Professor of Law
James Andrew Durham, A.B., LL.B., M.B.A., Assistant Professor of
Law

William Leigh Ellis, A.B., LL.M., Lecturer in Law

THE DEAN'S COUNCIL \$

Carville Dickinson Benson John Patrick Burke Charles Sager Collier Robert McKinney Cooper James Forrester Davison Harryman Dorsey James Andrew Durham *August Gottlieb Eckhardt Donald James Farage William Thomas Fryer *Leroy Sorenson Merrifield James Oliver Murdock Saul Chesterfield Oppenheim Herman Israel Orentlicher

GENERAL INFORMATION

INTRODUCTORY

The George Washington University Law School, established in 1826, discontinued, and reorganized in 1865, is the oldest law school in the District of Columbia. Its course of instruction is planned to prepare its graduates for the practice of law in any of the states of the United States or in foreign countries, the law of which is based on the Anglo-American legal system. It is also designed to prepare students for public service as lawyers in the Federal Government or the governments of the states. In 1900 the School took part in the organization of the Association of American Law Schools and it has been a member of the Association since that time. The School is approved by the Section of Legal Education of the American Bar Association.

ORGANIZATION OF THE ACADEMIC YEAR

The work of the year is organized into three terms known as the fall term, winter term, and summer term. The summer term constitutes a full term of sixteen weeks.

On leave of absence 1949-50.

The President of the University and the Dean of the Law School are ex officio members of the Council.

THE LIBRARY

The Law School Library of 26,500 volumes contains the official reports of the decisions of the courts of last resort of all the states prior to the National Reporter System and of fourteen states complete to date; the National Reporter System, complete; the reports of the United States Supreme Court and lower federal courts, and the reports of federal administrative agencies; Shepard's Citations for the units of the Reporter System; the English Reprint and English Law Reports; the United States Statutes; the United States Code, Annotated, and the Federal Code, Annotated; reasonably complete sets of statutes of all of the states; the English statutes; the principal English and American digests and encyclopedias; collections of special reports and annotated cases; and the leading textbooks and legal periodicals.

The Library, which is on the fourth floor of Stockton Hall, is open from 9:00 A.M. to 10:00 P.M. each class day (Saturday, 9:00 A.M. to 5:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

THE LAW REVIEW

The George Washington Law Review, published by the University, is edited by the Faculty and students of the Law School. It is devoted exclusively to state and federal public law. The location of the University in the national Capital, where the primary sources of federal public law may be observed in operation, affords an unexcelled opportunity for specialization in this field.

The Review is edited by a faculty editor-in-chief, a faculty board of associate editors, a board of departmental advisory editors, and a board of student editors. The student editors are chosen each year on the basis of scholarship.

RESEARCH IN PUBLIC LAW

Washington, the capital of the Nation, furnishes unsurpassed advantages for research in the fields of public law. In it are the offices of the major executive departments, the Congress, the Supreme Court of the United States, and four lower federal courts. In the executive departments and among the many independent establishments of the Federal Government there have been estimated to be between seventy-five and one hundred agencies, the activities of which involve the various branches of public law, particularly administrative law. The student of public law can study at first hand the work of these administrative agencies. He also has available as sources for investigation their records of administrative adjudications.

Research in public law will be conducted under the supervision of members of the faculty. The purpose of this research is to furnish means for training specialists in public law, either as government law-

yers or as lawyers representing individuals or corporations in cases in which the Government is a party, and to assist in the analysis, clarification, formulation, and improvement of public law, substantive and procedural.

Candidates for the graduate degrees in the Law School and seniors who are eligible for the degree of Juris Doctor may pursue this work. Other students may be admitted with the special permission of the professor in charge.

COURSE OF STUDY FOR FOREIGN LAWYERS

This course of study is designed to meet the needs of lawyers who come from countries, the legal systems of which are based on the Roman or Civil Law. It attempts to provide for such students a course sufficient to enable them to acquire an understanding of the fundamentals of the common law so that they may work intelligently with common law materials and common law practitioners. In this program the students are not assigned to special classes but work in association with other students in the regular law subjects. No fixed program of required courses is attempted but each student is permitted to work out a program best adapted to his individual needs.

THE STUDENT BAR ASSOCIATION

Every student in the Law School is required to be a member of the Student Bar Association. This is organized to enable the student to become better acquainted with problems of the profession, to develop better professional ideals, and to bring about closer contact with members of the profession engaged in active practice of the law.

The work of the Student Bar Association is carried on by various committees and by group and general meetings of a professional and social nature. From time to time lectures are given by outstanding authorities on legal and professional problems.

Each member of the Student Bar Association receives a subscription to

The George Washington Law Review.

PRACTICE AND PRACTICE COURT

The curriculum is planned to include such training in the fundamentals of practice as is feasible in a law school. Classroom instruction is conducted in the theories of pleading and procedure, trial and appellate practice, and evidence. This instruction includes grounding in the principles of the new Federal Rules of Civil Procedure. In addition each senior student is required to participate in the work of the Practice or Moot Court. This includes trying a specified number of cases, both

as a senior counsel and junior counsel. For students who are planning to practice patent law, a special section of the court is devoted exclusively to the trial of patent cases. Experience in preparing and arguing appellate court cases is also available through the Case Club Competition.

ORDER OF THE COIP

The Order of the Coif, a national honor society with chapters in thirty-seven law schools, aims "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship". The George Washington University Chapter was established in 1926. Members are elected each year from the highest-ranking 10 per cent of the graduating class of the Law School.

REGULATIONS

Students in the Law School are subject to, and are expected to familiarize themselves with, the regulations concerning Admission, Registration, Fees and Finances stated on pages 11-23, and the University regulations stated on pages 35-41.

Hours of Instruction

Students without substantial outside employment may take a full-time program of studies in the forenoon classes from 9:00 A.M. to 12:50 P.M. Primarily for the accommodation of employed students, a regular course may be taken in classes held from 5:50 to 7:40 P.M.

AMOUNT OF WORK

Students without substantial outside employment may take a full-time program of studies in which the majority of credit hours must be in the morning sections. Students with subtsantial outside employment must take a limited program of studies not exceeding ten hours a week.

ATTENDANCE

Regular attendance on classes is required and is necessary for successful work. A student who is deficient in class attendance in any subject may, by action of the Dean's Council, be barred from taking the examination in that subject.

RESIDENCE REQUIREMENTS

A year's attendance in the evening classes is counted as residence for three-fourths of a year. A student admitted with advanced standing must complete at least one year of residence in this School and pass twenty-eight credit hours with the required average for the degree. A

full-time student enrolled in a schedule of less than ten hours a week shall receive residence credit in the ratio that the hours passed bear to ten. A part-time student enrolled in a schedule of less than six hours a week shall receive residence credit in the ratio that the hours passed bear to six.

GRADES

Grades are indicated by the letters A, excellent, 85-100; B, good, 75-84; C, satisfactory, 65-74; D, poor, 55-64—below standard for graduation; and F, failed—below 55.

The grades A, B, C, and D, mean that the work has been completed

and credit given for the subjects.

F, failed, means that no credit will be given. To obtain credit the student must repeat the subject; but a student who has obtained an average of C in the work of a calendar year and received a grade of F in only one subject may take the next regular examination in that subject, and if on such reexamination he obtains a passing grade he will be given credit in the subject. Both grades are recorded.

EXAMINATIONS

Every student is required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the examination in a subject with the class in which he is enrolled may take the next regular examination given in the subject.

No special examinations will be given; except that, upon written application to the Dean's Council, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take a postponed examination, may, at the discretion of the Dean's Council, be given a special examination.

EXCLUSION AND PROBATION FOR POOR SCHOLARSHIP

A student who during a calendar year (from the beginning of the summer term to the end of the winter term) fails in courses aggregating eight or more credit hours will be excluded. Such a student is not eligible to be registered in the Law School or to attend classes. He may, however, be admitted to the next regular examinations in those subjects in which he has made a grade below passing, and if he receives a grade of passing in these subjects with an average sufficient to make his general average not less than C, he will be reinstated.

A student not subject to exclusion under the foregoing rule who at the end of a calendar year has failed to maintain a general average of at least C, will be on probation during the next calendar year. A student on probation may at the discretion of the Dean be required to reduce his program of study. A student on probation will be excluded at the end of the probationary year unless he has made grades sufficient to give him a general average of at least C.

The general average of a student includes all the grades in all the subjects taken while he is in the Law School working for a particular degree. When a subject is repeated or a reexamination is taken, both the first grade and the subsequent grade or grades are counted in the general average.

In special cases in which it is clear that the student's failure does not indicate lack of ability to pursue the study of law, the student who has become subject to exclusion may be readmitted by vote of the Dean's Council of the Law School.

No student is put on probation or excluded after only one term of law school work.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of credit hours as follows: first year, one through twenty-eight; second year, twenty-nine through fifty-six; third year, fifty-seven or more.

THE DEGREES

IN THE PROFESSIONAL COURSE

These degrees are Bachelor of Laws (LL.B.) and Juris Doctor (J.D.).

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

To be recommended for this degree the student must have completed: a residence period of not less than three academic years on a full-time basis (four years on a part-time basis) in an approved law school, the last year to be in this School; and eighty credit hours, with a general average of at least C, including the course in Moot Court.

REQUIREMENTS FOR THE DEGREE OF JURIS DOCTOR

This degree is conferred as a recognition of the completion at the George Washington University Law School, with high rank, of the full professional course of not less than three full years (four years on a part-time basis) including experience in research and legal authorship.

To be recommended for this degree the student must have completed:
(1) a residence period of not less than three academic years on a fultime basis (four years on a part-time basis) in the Law School; (2) eighty credit hours with a general average of at least B including the course in Moot Court and one of the following courses: Comparative Law, Jurisprudence, or one of the graduate seminars; and (3) one year

of acceptable service on the board of student editors of The George Washington Law Review, election to which is subject to regulations laid down by the Faculty. Students taking the combined Arts and Law or Engineering and Law course are not eligible for this degree.

Honors

The degree of Bachelor of Laws or of Juris Doctor "with distinction" will be awarded the student who obtains a general average of A in the work for the degree.

IN THE GRADUATE COURSE

These degrees are Master of Laws (LL.M.), Master of Comparative Law (M.Comp.L.), and Doctor of Juridical Science (S.J.D.),

REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have completed with a satisfactory average twenty credit hours of subjects in the graduate curriculum. In individual cases, third- or fourth-year subjects listed in the professional curriculum may be included in the program of study. All requirements for this degree must be completed in this Law School and in a period not exceeding two academic years.

REQUIREMENTS FOR THE DEGREE OF MASTER OF COMPARATIVE LAW

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have compl ted satisfactorily twenty-four credit hours of approved subjects in the curriculum of the Department of Law or of such other departments of the University as the faculty of the Law School shall approve.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF JURIDICAL SCIENCE

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have pursued a course of study and research designated by his consultative committee and approved by the Committee on Graduate Students. At the conclusion of his first year of residence, or at such other time as the Committee on Graduate Students may set, the candidate must pass an oral examination in those fields of study selected by the consultative committee. This examination shall be conducted by the consultative committee and such other members of the faculty and qualified experts from other research institutions as may be selected by the Committee of Graduate Students.

Not later than the date specified in the University calendar the candidate must submit to the Dean one typewritten original and two legible and complete carbon copies of his dissertation in its final form. The dissertation must contain a summary of from 2,500 to 3,000 words inserted as an appendix. An additional original typewritten copy of this summary must be submitted for publication. To be acceptable the dissertation must, in the opinion of the examining committee, constitute a substantial contribution to the field of law concerned and be suitable for publication. Additional information will be supplied by the Chairman of the Committee on Graduate Students.

The summaries of accepted dissertations will be printed in a volume forming a number of the University BULLETIN. The successful candidate for the doctorate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his dissertation.

THE SCHOOL OF ENGINEERING

THE FACULTY AND STAFF OF INSTRUCTION .

Cloyd Heck Marvin, Ph.D., LL.D., President of the University
Frederick Morris Feiker, B.S. in E.E., D.Eng., Dean of the School of
Engineering

Carl Hugo Walther, B.E., M.C.E., Assistant Dean of the School of Engineering

Thomas Benjamin Brown, Ph.D., Professor of Physics

Norman Bruce Ames, M.S., E.E., LL.B., Professor of Electrical Engineering

Arthur Frederick Johnson, M.E., Ph.D., Professor of Mechanical En-

James Henry Taylor, Ph.D., Professor of Mathematics Frank Mark Weida, Ph.D., Professor of Statistics

Frederick Morris Feiker, B.S. in E.E., D.Eng., Professor of Engineering Administration

Merle Irving Protzman, Ph.D., Professor of Romance Languages

Benjamin Carpenter Cruickshanks, B.S. in M.E., Professor of Mechanical Engineering

Bruce Douglas Greenshields, C.E., Ph.D., Professor of Civil Engineering Charles Rudolph Naeser, Ph.D., Professor of Chemistry

Carl Hugo Walther, B.E., M.C.E., Professor of Civil Engineering

Forest Klaire Harris, Ph.D., Professorial Lecturer in Electrical Engineering

Newbern Smith, M.S. in E.E., Ph.D., Professorial Lecturer in Electrical Engineering

Waldo Edward Smith, B.E., M.S. in C.E., Professorial Lecturer in Civil Engineering

George Jaquet, B.S. in E.E., Professorial Lecturer on Engineering Administration

Wolfram Karl Legner, Ph.D., Associate Professor of German

Robert Gay Trumbull, B.S. in C.E., Associate Professor of Mechanical Engineering

Raymond Pugh Eyman, C.E., Associate Professor of Civil Engineering William Sutton Carley, M.S. in E.E., Associate Professor of Electrical Engineering

The President of the University, the Dean and the Assistant Dean of the School, the Registrar of the University, the Director of Admissions of the University, Professors, Associate Professors, and Assistant Professors constitute the Faculty.

Averett Howard, A.M., Associate Professor of Composition

Charles Edward Greeley, B.S. in M.E., Assistant Professor of Mechanical Engineering

Otakar Wenceslaus Kabelac, M.C.E., Assistant Professor of Mechanical
Engineering

James Joseph Kerley, Jr., A.B. in C.E., Assistant Professor of Civil Engineering

Frederick Henry Kohloss, B.S. in M.E., Assistant Professor of Mechanical Engineering

Haaren Albert Miklofsky, B.C.E., M.Eng., Assistant Professor of Civil Engineering

William Dickinson, M.S. in E.E., Assistant Professor of Electrical Engineering

Edgar Stover Walker, B.S. in C.E., Lecturer in Civil Engineering William Gammon Hayward, B.S. in C.E., Lecturer in Civil Engineering

Rudolph Michel, M.S., Lecturer in Mechanical Engineering

Moses Freedman, B.S. in Eng., Lecturer in Civil Engineering George Francis Strollo, B.S. in C.E., M.C.E., Lecturer in Civil Engi-

Ralph Edward Fuhrman, B.S. in C.E., M.S., Lecturer in Civil Engineering

Edward Frederick Kelley, M.S., Ac.E., Lecturer in Mechanical Engineering

Dwight Edward Shytle, Lecturer in Electrical Engineering Thomas Alvin O'Halloran, B.E.E., Lecturer in Electrical Engineering

Bernard Bernstein, B.S., B.M.E., Lecturer in Mechanical Engineering Luther Bertram Nye, Jr., B.E., Lecturer in Mechanical Engineering

Alvin Raymond Schwab, B.S., M.S. in Eng., Lecturer in Civil Engineering

Asriel Taragin, B.E., Lecturer in Civil Engineering

Malcolm Richardson Moore, B.E.E., Lecturer in Electrical Engineering

Richard Lee Fenton, B.M.E., Lecturer in Mechanical Engineering

Ralph Brady, B.S. in E.E., Lecturer in Electrical Engineering

Frank Spaulding Borden, B.C.E., Lecturer in Civil Engineering

Jerome Addison Lee, B.S., Lecturer in Electrical Engineering

David Carl Colony, Jr., B.C.E., Lecturer in Civil Engineering
John Brewster Willis, B.S. in M.E., Lecturer in Mechanical Engineering

Raphael David Cahn, B.M.E., Lecturer in Mechanical Engineering

William Clayton Justice, B.S. in Eng., Lecturer in Mechanical Engineering

Jerome Strauss Antel, Jr., B.S. in E.E., Instructor in Electrical Engineering

Mark Kiley, A.M. in Eng., Instructor in Civil Engineering

THE DEAN'S COUNCIL *

1950 Benjamin Carpenter Cruickshanks Charles Edward Greeley

1951 Norman Bruce Ames Bruce Douglas Greenshields James Henry Taylor Charles Rudolph Naeser

GENERAL INFORMATION

INTRODUCTORY

The School of Engineering was organized in 1884 as the Corcoran Scientific School. In 1903 that school was combined with Columbian College in the Department of Arts and Sciences. In 1905 the engineering courses were placed under an administrative organization known as the Washington College of Engineering and in 1909 the name was changed to the College of Engineering and Mechanic Arts. In 1914 the name became the School of Engineering.

Courses leading to the degrees of Bachelor of Civil Engineering, Bachlor of Mechanical Engineering, and Bachelor of Electrical Engineering are accredited by the Engineers' Council for Professional Development, the recognized accrediting body of the engineering profession, composed of representatives of the American Society of Civil Engineers, the American Institute of Mining and Metallurgical Engineers, the American Society of Mechanical Engineers, the American Institute of Electrical Engineers, American Society for Engineering Education, the American Institute of Chemical Engineers, and the National Council of State Boards of Engineering Examiners.

REGULATIONS

Students in the School of Engineering are subject to, and are expected to familiarize themselves with, the regulations concerning ADMISSION. REGISTRATION, FEES AND FINANCES stated on pages 11-23, and the University regulations stated on pages 35-41.

AMOUNT OF WORK

Eighteen credit hours, including required physical education, constitute normal full-time work. Nine credit hours constitute normal part-time work.

A full-time student who is not on probation may take ordinarily not more than nineteen credit hours. A student employed more than twenty-four hours a week, who is not on probation, may take ordinarily not more than ten credit hours. A student whose quality-point index is

[•] Elected by the Faculty. The President of the University and the Dean and the Assistant Dean of the School of Engineering are members ex officio of the council.

3.00 or higher may be permitted by the Dean to exceed these limits by not more than two credit hours.

A student previously unemployed who accepts employment subsequent to registration or at any time during a term is required to report that fact immediately to the Dean, in order that adjustments in schedule may be made, if necessary, to bring his program within the Faculty's limitations upon the amount of work to be carried by an employed student.

ATTENDANCE

The student is expected to attend every meeting of the course in which he is registered fully prepared to carry on the work required. The student is held responsible for all work in the course, and all absences must be excused before provision will be made for him to make up the work missed. Excuses for absences from examinations which have been announced in advance can be obtained only by making written application to the instructor in charge of the course.

THE BACHELOR'S DEGREES

The Bachelor's degrees are: Bachelor of Civil Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, and Bachelor of Science in Engineering.

The degree of Bachelor of Science in Engineering may be carned with any of the following major fields: Business Administration, Chemistry, Economics, Mathematics, Physics, or Statistics.

REQUIREMENTS FOR THE DEGREES

SCHOLARSHIP

The system of grading and computing scholarship is described in detail on pages 35 and 36.

In order to graduate, a student must have a quality-point index of at least 2.00. No student whose quality-point index is below 2.00 will be admitted to the junior year.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed by the Dean's Council.

Suspension.—A student who has a quality-point index below 1.50 or who is placed on probation for a third term, whether successive or after an interval, will be suspended. A student suspended for poor scholarship may apply for readmission after an interval of one calendar year. He must then submit evidence to the Dean's Council that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

USE OF CORRECT ENGLISH

Any student whose English in any course whatever is deemed unsatisfactory may be reported by the instructor to the Dean's Council. The Council may assign supplementary work, without academic credit, varying in amount with the needs of the student. If the work prescribed is equivalent to a course, the regular tuition fee is charged. The granting of a degree may be delayed for failure to make up any such deficiency in English to the satisfaction of the Dean's Council.

The foregoing regulation is to be interpreted as applying to both

written and spoken English.

RESIDENCE

One year, or thirty-six credit hours, must be completed in residence in the School of Engineering. Summer term work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue work elsewhere, the work of the senior or final year must be completed in residence.

CURRICULUM REQUIREMENTS

The satisfactory completion of one of the following curricula of 140 credit hours, exclusive of physical education, is required.

Physical Education is required of all students in the freshman and sophomore years. (See, "Physical Education Requirements", page 38.)

Variations from the prescribed curricula may be made, with the permission of the Dean's Council. A student desiring to omit a required course and substitute another must make written application to the Dean, presenting satisfactory reasons for the substitution; and written approval must be obtained before registration for the course.

FRESHMAN	YEAR (FOR ALL ENGINEERING CURRICULA)
Chem. 11-12 CE 2	General Chemistry
Engl. 1-2	Freshman English
Math. 12 Math. 19	Plane Analytic Geometry Differential Calculus
ME 1 ME 4	Engineering Survey and Orientation
ME 4	Descriptive Geometry
Phys. Ed. Phys. 6 and 7	See page 38 for statement of requirement. General Physics
	Total

The student who begins Physics with Physics 6 or 7 is subject to a qualifying examination.
 Credit will be given for Physics 5 if not used for entrance requirements.

	Bachelor of Civil Engineering	
	SOPHOMORE YEAR	Credit
CE 21 CE 22 CE 23 EE 9-10 Geol. 21-22 Math. 20 Phys. Ed. Phys. 8 Elective	Analytical Mechanics: Statics. Analytical Mechanics: Dynamics. Higher Surveying Elements of Electrical Engineering. Physical and Historical Geology Integral Calculus See page 38 for statement of requirement.	Hours 2 3 4 6 6 6 5 3
Elective	anguage.	6
	Total	36
	JUNIOR YEAR	Credit
CE 25-26 CE 123 CE 136 CE 140 CE 141 CE 142 CE 164 CE 171 CE 187-88 ME 111-12 Speech 21 CE 147-48 CE 149-50 CE 151-52	Engineering Materials Strength of Materials Hydraulics Materials and Hydraulics Laboratory Graphic Statics Bridge Streases Highway Engineering Route Surveying Engineering Contracts and Specifications. Thermodynamics Public Speaking Total SENIOR YEAR Structural Design Concrete and Masonry Construction Statically Indeterminate Structures.	Hours 4 3 3 3 3 3 3 4 6 6 7 Credit Hours 4 6
CE 181-82 CE 189-90 ME 141-42 Elective	Water Supply and Sewerage Civil Engineering Proseminar Management Problems Total	. 6
	SOPHOMORE YEAR	Credit
CE 21 CF 22 EE 9-10 Math. 20 Math. 132 ME 13-14 Phys. Ed. Phys. 55	Analytical Mechanics: Statics	3 . 6 . 3 . 3
Speech 21 Elective	Public Speaking Economics 1-2 or modern language Total	. 1

	weresam sprim	Credit
1. Communications CE 123 EE 105-6 EE 107 EE 108 EE 111-12 EE 118 EE 120 ME 111-12 Phys. 132 Elective	Option Strength of Materials. Direct-Current Laboratory Electric Circuits Alternating-Current Machinery Electrical Measurements Advanced Network Theory Advanced Network Laboratory Thermodynamics Electronics	Hours
	Total	35
CE 25-26	Engineering Materials	4

	SENIOR YEAR	Credit Hours
CE 25-26 CE 136 EE 109 EE 119 EE 121 EE 133-34 EE 142	Engineering Materials Hydraulics Alternating-Current Machinery Advanced Network Theory Alternating-Current Laboratory Radio Wave Propagation	3 3 3 3 3 4 3
EE 146 EE 148 EE 189-90 Phys. 133 Elective	Radio Wave Propagation Laboratory	. 3
	Total	. 36

	JUNIOR YEAR	H	
Power Option			
CE 123	Strength of Materials		
CE 136	Hydraulics	0.0	
EE 105-6	Direct-Current Laboratory	0.0	
EE 107	Electric Circuits	0.0	
EE 108	Alternating-Current Machinery		
EE 111-12	Electrical Measurements		
EE 137	Electric Traction		
ME 111-12	Thermodynamics		
Phys. 132	Electronics		
Elective		0 0 0	
	Total	-	

	SENIOR YEAR	Credit Hours
CE 25-26 FE 109 FE 125-26 EE 133-34 EE 138 EE 140 EE 140 EE 189-90 ME 115 Elective	Engineering Materials Alternating-Current Machinery Principles of Electric Power Transmission. Alternating-Current Laboratory Industrial Electrical Power Applications. Illumination Engineering Electrical Design Proseminar in Electrical Engineering. Mechanical Laboratory Business Administration or Economics.	3 4 4 2 2 2 3 2 2 6
	Total	36

Bachelor of Mechanical Engineering

	SOPHOMORE YEAR	Credit Hours
CE 21 CE 22 EE 9-10 Math. 20 ME 7 ME 8 ME 13-14 Phys. Ed. Phys. 8 Phys. 55 Elective	Analytical Mechanics: Statics	3
	Total	. 36

	JUNIOR YEAR	Credit
CE 25-26 CE 123 CE 136 CE 140 CE 141 EE 13-14 ME 111-12 ME 141-42 Speech 21 Elective	Engineering Materials Strength of Materials Hydraulics Materials and Hydraulics Laboratory Graphic Statics Direct- and Alternating-Current Laboratory Thermodynamics Management Problems Public Speaking	· 3 · 3 · 3 · 4 · 6 · 4
	Total	35

		Credit
	SENIOR YEAR	Hours
ME 115-16 ME 126	Methods of Manufacture	
ME 127-28	Machine Design	
ME 129-30	Power Plants	6
ME 131-32	Heating, Ventilating, Air Conditioning, and Refrigo	EF-
ME 133	ation	
ME 139	Fluid Dynamics	3
ME 140	Dynamics of Machinery	3
ME 189–90 Elective	Proseminar in Mechanical Engineering	2
FIEGUAG		
	Total	35
	Bachelor of Science in Engineering	
		Credit
	SOPHOMORE YEAR	Hours
CE 21	Analytical Mechanics: Statics	2
CE 22	Analytical Mechanics: Dynamics Elements of Electrical Engineering	. 3
EE 9-10 Math. 20	Integral Calculus	. 3
ME 13-14	Mechanism	
Phy. Ed.	See page 38 for statement of requirement.	
Phys. 8 Elective	General Physics	
Elective	Economics 1-2 or modern language	
Elective	Mathematics	
Elective	Physics	- 3
	Total	. 36
		Credit
	JUNIOR YEAR	Hours
CE 25-26	Engineering Materials	. 4
CE 123 CE 136	Strength of Materials. Hydraulics	. 3
CE 140	Materials and Hydraulics Laboratory	. 3
EE 13-14	Direct- and Alternating-Current Laboratory	. 4
ME 111-12 Elective	Thermodynamics	
21000340		. 13
	Total	. 35
		Credit
Pue Adm cor	SENIOR YEAR	Hours
Bus. Adm. 101 Bus. Adm. 102	Business Organization and Combination	. 3
Geol. 21-22	Business Management Physical and Historical Geology	. 3
ME 141-42	Management Problems	
Elective	***************************************	
	Total	. 35
		00

The purpose of the Bachelor of Science in Engineering curriculum is to allow a student who has demonstrated his ability to do better than passing work to center his attention upon a group of subjects in which he has special interest. Major fields may be elected in Business Administration, Chemistry, Economics, Mathematics, Physics, or Statistics. The student's choice of courses in his major field must be submitted to the Dean's Council for approval before the beginning of the junior year. The student must comply with such requirements as to subjects, schedules, and scholarship as the department concerned may prescribe.

Curricula recommended by the several departments in which options may be elected are available in the Office of the Dean of the School of Engineering for the guidance of students in arranging their programs. Variations from these curricula may be made to satisfy the needs of the exceptional individual student. However, any variation must be approved in writing by the major department and the Dean's Council.

THE PROFESSIONAL DEGREES

The professional degree of Civil Engineer, Electrical Engineer, or Mechanical Engineer may be conferred upon a graduate of the School of Engineering who has demonstrated his professional ability.

REQUIREMENTS FOR THE DEGREES

1. Application may not be made sooner than three years after graduation, and then only if the candidate has had responsible charge of engineering work.

2. A detailed statement of the candidate's experience, references, the degree sought, and the title of the dissertation must be filed with the Dean eight months before the Commencement at which the degree is to be conferred.

Detailed information concerning the preparation of the dissertation may be obtained from the Office of the Dean.

THE SCHOOL OF PHARMACY

THE FACULTY AND STAFF OF INSTRUCTION *

Cloyd Heck Marvin, Ph.D., LL.D., President of the University Charles Watson Bliven, M.S., Dean of the School of Pharmacy

Ira Bowers Hansen, Ph.D., Professor of Zoology
Lawson Edwin Yocum, Ph.D., Professor of Botany
Charles Watson Bliven, M.S., Professor of Pharmacy
Alan Thomas Deibert, A.M., Professor of Romance Languages
Chester Elwood Leese, Ph.D., Professor of Physiology
Calvin Darlington Linton, Ph.D., Professor of English Literature
Angus MacIvor Griffin, Ph.D., Professor of Bacteriology
William Paul Briggs, M.S., Sc.D., Professorial Lecturer in Pharmacy
Gretchen Louisa Rogers, Ph.D., Associate Professor of German
George Martin Koehl, A.M., Associate Professor of Physics
Carleton Raymond Treadwell, Ph.D., Associate Professor of Biochemistry

Robert Corbin Vincent, Ph.D., Associate Professor of Chemistry
Jane Gass, M.S., Assistant Professor of Pharmacology and Pharmaconosy

John Watson Schermerhorn, B.S. in Phar., Assistant Professor of Pharmaceutical Chemistry

Carson Gray Frailey, A.B., LL.B., Lecturer on Pharmaceutical Law Arthur William Jones, Phar.G., Instructor in Pharmacy

SEMINAR LECTURERS

James Johnson Durrett, M.S., Phar.G., M.D., Professorial Lecturer on Drug Control Problems

Carson Peter Frailey, Phar.D., Sc.D., Professorial Lecturer on Industrial Pharmacy

Frederick John Cullen, Phar.G., M.D., Professorial Lecturer on Drug Manufacture

James Albert Horton, LL.B., Professorial Lecturer on Drug Trade Regulations

John Christian Krantz, Jr., Ph.D., Professorial Lecturer on Pharmaceutical Research

Justin Lawrence Powers, Ph.D., Professorial Lecturer on Official Drug Standards

The President of the University, the Dean of the School, the Registrar of the University, the Director of Admissions of the University, Professors, Adjunct Professors, Associate Professors, Assoc

Robert Lee Swain, Phar.D., LL.B., Professorial Lecturer on Contemporary Pharmacy

George Potter Larrick, Professorial Lecturer on Drug Control

Robert Philipp Fischelis, B.S., Phar.D., Sc.D., Professorial Lecturer on Pharmaceutical Organizations

James Anderson Crabtree, M.D., D.P.H., Professorial Lecturer on Public Health

COMMITTEES *

ADVISORY COMMITTER

Howard Bradbury

Augustus Carrier Taylor

THE DEAN'S COUNCIL T

Ira Bowers Hansen

Lawson Edwin Yocum John Watson Schermerhorn

COMMITTEE ON SCHOLARSHIP

Lawson Edwin Yocum, Chairman

Ira Bowers Hansen

Robert Corbin Vincent

GENERAL INFORMATION

INTRODUCTORY

In 1867 the foundation for the National College of Pharmacy was laid by the Apothecaries' Association of the District of Columbia. The College was opened in 1872 and continued until 1906, when it became athliated with The George Washington University.

The School of Pharmacy is accredited by the American Council on Pharmaceutical Education.

The School of Pharmacy is a member of the American Association of Colleges of Pharmacy.

Washington offers many opportunities for the study of pharmacy. Not only are the facilities of government laboratories and libraries open to the student, but the School of Pharmacy is located only a few blocks from the American Institute of Pharmacy building, in which has been established a pharmaceutical museum and library, and research laboratories which have brought to Washington the outstanding men of the profession.

REGULATIONS

Students in the School of Pharmacy are subject to and are expected to familiarize themselves with the regulations concerning ADMISSION, REGIS-

^{*} The President of the University and the Dean of the School of Pharmacy are members ex Elected by the Faculty.

TRATION, FEES AND FINANCES as stated on pages 11-23, and the University regulations stated on pages 35-41.

AMOUNT OF WORK

Normal work for any year is that outlined under the head of "Curriculum Requirements", below. A student who wishes to take more than the normal amount of work may do so only with the permission of the Committee on Scholarship, the members of which are guided in their decision by his scholastic record and the extent to which he is employed. A student on probation is limited in the amount of work he may carry.

ATTENDANCE

Except by special permission of the instructor, credit will not be given for any course if absences, including both lecture and laboratory, exceed in number for each term the hours of credit for the term.

Absence consists of being away from a lecture or a laboratory, entering after the lecture or laboratory has begun, or leaving before either is dismissed.

EXAMINATIONS BEFORE STATE BOARDS OF PHARMACY

To be eligible for examination before most state boards of pharmacy the applicant is required to present satisfactory evidence of college graduation and in addition must have had from one to four years of practical experience in a pharmacy where prescriptions are compounded. The student is not encouraged to undertake professional work while attempting a full course of study. A student who maintains a quality-point index of 2.00 or higher, may be granted permission by the Dean to acquire a limited amount of this professional experience by working in a pharmacy while carrying a full schedule. A student who falls below a quality-point index of 2.00 will be required to reduce his academic load, or to limit his professional-experience time to less than twenty-four hours a week.

THE DEGREE OF BACHELOR OF SCIENCE IN PHARMACY

Upon the satisfactory completion of the requirements of the School of Pharmacy, the degree of Bachelor of Science in Pharmacy is conferred.

REQUIREMENTS FOR THE DEGREE

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

In order to graduate, a student must have a general quality-point index of at least 2.00. In addition, he must have a quality-point index of at least 2.50 in all pharmacy courses.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation where he will remain as long as he fails to attain this index.

Suspension.—A student who has a quality-point index below 1.50 will be suspended. The case of each student who has a quality-point index between 1.35 and 1.50, however, will be considered by the Committee on Scholarship, which may retain him on probation or suspend him.

A student placed on probation for a third term, whether successive or after an interval, will be suspended. A student who receives a grade of F in two courses in any one term will be suspended.

A student suspended for poor scholarship may apply for readmission after an interval of a calendar year. He must then submit evidence to the Dean of the School of Pharmacy that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

The foregoing scholarship rules are applied to a student with a limited schedule only when he has undertaken a minimum of fifteen credit hours.

CURRICULUM

The laboratory method of teaching is used. Recitation classes are held in connection with each course in order to provide systematic drill in the subjects.

The curriculum requirements include at least 127 credit hours. The following curriculum leads to the degree of Bachelor of Science in Pharmacy.

Freshman and Sophomore Years

Courses	Did. hrs.	Lab. hra.	Credit hrs.	Clock hrs.
Courses in the Junior Col- lege (see page 59)	736	1008	70	1744

Junior Year: Fall Term

Courses	Did. hrs.	Leb. hrs.	Credit hrs.	Clock hrs.
Chemistry 151	48 32 48 48 48	48 48 96	4 2 3 3 1 1	96 32 48 48 48 112
Total	192	192	16	384

Junior Year: Winter Term

B. cici 'ogy 112	48 32 32 32 48	96 96	4 4 4 2 3	144 128 128 32 48
Total	192	288	17	480

Senior Year: Fall Term

Bacteriology 209(d) Phormacy 103 Pharmacy 111 Pharmacy 165	32 32 32 32 48	64 96 48	2 4 4 3 3	32 96 128 80 48
Total	176	208	16	384

With permission of the Dean, Biochemistry 221-22 may be replaced by other courses, for purposes of specialization.

Senior Year: Winter Term

*Biochemistry 222. Pharmacy 166. Pharmacy 176. Pharmacy 178. Pharmacy 188. Pharmacy 192 Ele tive	32 32 32 48 32 16	48	3 3 2 3	95 80 32 48 32 64 112
Total	208	256	17	464
Grand total	1504	1952	136	3456

THE DEGREE OF MASTER OF SCIENCE IN PHARMACY

Upon the satisfactory completion of the graduate requirements of the School of Pharmacy, the degree of Master of Science in Pharmacy is conferred.

DEFINITION OF THE MASTER'S WORK

The study leading to the degree of Master of Science in Pharmacy is a comprehensive survey of one or more of the fields of knowledge embraced by Pharmacy. It is a continuation of the work of the student's undergraduate major and involves a greater acquaintance with scholarly method.

The student must satisfy certain minimum requirements as to previous preparation, residence, ability to read an approved modern foreign (European) language, and courses taken; but these requirements, while essential, are regarded primarily as qualifying measures. The student's knowledge of his field, as demonstrated by his thesis and by the results of his Master's examination (together with such other examinations involving special skills or techniques as may be required), is the basis upon which the Master's degree is conferred. The foreign language requirement may be waived by faculty action in the instance of students whose field of study at the Master's level may not require such preparation.

REQUIREMENTS FOR THE DEGREE

RESIDENCE

An academic year of residence is required, i.e., completion of a minimum of thirty credit hours of work including the thesis, which is counted as the equivalent of six credit hours of course work. Summer

With permission of the Dean, Biochemistry 221-22 may be replaced by other courses, for purposes of specialization.

THE SCHOOL OF EDUCATION

THE FACULTY AND STAFF OF INSTRUCTION .

Cloyd Heck Marvin, Ph.D., LL.D., President of the University James Harold Fox, A.M., Ed.D., Dean of the School of Education

Henry Grattan Doyle, A.M., LL.D., Litt.D., Professor of Romance

Ruth Harriet Atwell, A.M., Professor of Physical Education for Women

Frank Mark Weida, Ph.D., Professor of Statistics

Mitchell Drese, Ph.D., Professor of Educational Psychology

James Harold Fox. A.M., Ed.D., Professor of Education

Thelma Hunt, Ph.D., M.D., Professor of Psychology

Frances Kirkpatrick, A.M., Professor of Home Economics

William Henry Myers, A.M., Professor of Physical Education for Men

Burnice Herman Jarman, A.M., Ed.D., Professor of Education

Chester Elwood Leese, Ph.D., Professor of Physiology

William Cullen French, Ph.D., Professor Emeritus of Education in Residence

Meredith Chester Wilson, B.S., Adjunct Professor of Education

Ruth Coyner Little, Ph.D., Professorial Lecturer in Education
Ray LaForest Hamon, Ph.D., Professorial Lecturer in Education

Benjamin Franklin Kyker, A.M., Professorial Lecturer in Education

Charles Edward Bish, A.M., Ed.D., Professorial Lecturer in Education

Henry Fred Alves, A.M., Professorial Lecturer in Education

Cecil Wentworth Morgan, Ph.D., Professorial Lecturer in Physical Edu-

Bernath Eugene Phillips, Ph.D., Professorial Lecturer in Physical Edu-

Helen Bennett Lawrence, A.M., Associate Professor of Physical Educacation for Women

Kathryn Mildred Towne, A.M., Associate Professor of Home Economics Elizabeth Burtner, A.M., Associate Professor of Physical Education for

Joseph Henry Krupa, M.S., Associate Professor of Physical Education for Men

Blake Smith Root, A.M., Ed.D., Associate Professor of Education

The President of the University, the Dean of the School, the Registrar of the University, the Director of Admissions of the University, Professors, Adjunct Professors, Associate Professors, Associate Professors, and Instructors constitute the Faculty.
3 On leave of absence 1949-50.

Ralph Windsor Ruffner, A.M., Ed.D., Associate Professor of Education Dorothy Helene Veon, Ed.D., Assistant Professor of Secretarial Studies Virginia Loretta Dennis, A.M., Assistant Professor of Physical Education for Women

Raymond George Hanken, B.S. in P.E., Assistant Professor of Physical Education for Men

Marjorie Tate, A.M., Assistant Professor of Physical Education for Women

Vincent James DeAngelis, B.S. in P.E., A.M. in Ed., Assistant Professor of Physical Education for Men

Jane Frost Hilder, A.M., Lecturer in Education, Director of Reading Clinic

Clinic
Madaline Kinter Remmlein, Ph.D., J.D., Lecturer in Education
*LuVerne Crabtree Walker, A.M., Lecturer in Education
*Helen Barton Goodwin, A.M., Lecturer in Education
Ralph Waldo Foster, A.M., Lecturer in Physical Education
Camilla Painter Luecke, A.M., Lecturer in Education
Florence Mary Lumsden, A.M., Ed.D., Lecturer in Education
William Samuel Rumbough, A.M., Lecturer in Education
Cannon Chiles Hearne, A.M., Lecturer in Education
Catharine Prentiss, B.S., Instructor in Physical Education for Women

Marie Marguerite Neeb, A.M., Clinician, Reading Clinic

COMMITTEES

THE DEAN'S COUNCIL §

1950 Dorothy Helene Veon Ralph Windsor Ruffner

Thelma Hunt Frances Kirkpatrick

Frank Mark Weida Elizabeth Burtner

COMMITTEE ON ADMISSION AND ADVANCED STANDING

The Dean of the School, Chairman

Harold Griffith Sutton Frances Kirkpatrick William Henry Myers Frank Mark Weida Burnice Herman Jarman Ruth Harriet Atwell

^{*} On leave of absence 1949-50.

The President of the University and the Dean of the School of Education are members ex officio of all committees.

Elected by the Faculty.

COMMITTEE ON SCHOLARSHIP

Blake Smith Root, Chairman

William Henry Myers Helen Bennett Lawrence
Kathryn Mildred Towne

GENERAL INFORMATION

INTRODUCTORY

It is the purpose of the School of Education to prepare teachers, supervisors, and administrators for the higher ranges of educational service and to offer opportunities to teachers of experience to extend their education. The School includes the departments of Education, Physical Education, and Home Economics. It offers both graduate and undergraduate work. Other departments of the University provide general education and subject-matter courses needed for a well-balanced program of teacher education.

The schedule of courses is arranged to meet the convenience of both full-time and part-time students. By attending evening, Saturday, and summer classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their posi-

tions

To help children and adults with reading difficulties, the School of Education operates a reading clinic for diagnosis and treatment.

REGULATIONS

Students in the School of Education are subject to, and are expected to familiarize themselves with, the regulations concerning ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 11-23, and the University regulations stated on pages 35-41.

AMOUNT OF WOTK

A normal program of work for an undergraduate student is fifteen credit hours. A student with a quality-point index of 3.00 or higher may, with the Dean's permission, take eighteen hours. More than eighteen hours may not be taken except by special permission of the Committee on Scholarship.

For an employed student nine credit hours constitute a normal program. A student with a quality-point index of 3.00 or higher for the preceding term may be permitted by the Dean to take twelve or thirteen

credit hours.

For a graduate student twelve credit hours, exclusive of the thesis, constitute a normal program. An employed student may not take more than nine credit hours.

THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of the School of Education, the degree of Bachelor of Arts in Education, Bachelor of Science in Home Economics, or Bachelor of Science in Physical Education is conferred.

The program of work of each student must be approved by a Faculty adviser. Since each student's program of work will be defined by his particular needs, it is important that the student have a clear conception of his major interest in education, and also that he be familiar with the teaching-certificate requirements in the locality in which he expects to teach.

REQUIREMENTS FOR THE DEGREES

To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements.

RESIDENCE

For full details concerning continuous registration, see page 35.

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

In order to graduate, a student must have a quality-point index of at least 2.00

Probation.—An undergraduate student who fails to maintain a quality-point index of at least 2.00 will be placed on probation. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed by the Committee on Scholarship.

Suspension.—An undergraduate student who fails to pass in half or more than half of his work, based on a minimum of sixteen credit hours,

will be suspended.

A student who has been suspended for poor scholarship may within ten days appeal his case to the Committee on Scholarship through the Dean. If the case appears to be remediable and the student appears likely to improve in his scholarship thereafter, the Committee may readmit him on probation. A student who has been denied readmission on probation may petition the Committee on Scholarship through the Dean for readmission after the lapse of a calendar year. A student who has been suspended twice will not be readmitted.

CURRICULUM REQUIREMENTS

In any of the following curricula at least thirty credit hours must consist of courses numbered above 100.

Bachelor of Arts in Education

Programs leading to the degree of Bachelor of Arts in Education have three main objectives: (1) provision of general educational backgrounds, (2) a functional command of ideas, concepts, knowledges, and skills in one or more teaching fields, and (3) a mastery of basic professional information and skills adequate for a beginning teacher. Since the contents of teaching fields differ in scope and complexity, some programs are longer than others in terms of credit hours. None require less than 126 credit hours of satisfactory work, exclusive of required Physical Education. Normally, 60 credit hours of the total requirement are completed in the Junior College of the University or in an equivalent institution elsewhere. (See "Education", page 60.)

The general educational backgrounds needed by prospective teachers are obtained through: (1) pre-college education, (2) college courses, (3) work experience, (4) leadership activities, (5) participation in student campus activities, and (6) utilization of off-campus cultural op-

portunities.

Teaching-field requirements include satisfactory completion of prescribed academic courses in one or more fields, a satisfactory score on the special field examination of the National Teacher Examinations, and satisfactory completion of the prescribed special methods courses. Programs of study are available in the following fields: art, biology, business education, chemistry, elementary education,* English, French, geography, German, history, mathematics, physics, social studies, Spanish, and speech.

The basic professional information and skills needed by beginning teachers are provided through four one-year courses, two in each of the junior and senior years. Lectures and class discussions are closely coordinated with field work. Instruction is differentiated to meet the needs of those preparing to teach on the various levels—elementary

school, junior high school, senior high school, and adult.

PROFESSIONAL COURSES	Credit Hours
Education 109-10: Learning and Teaching	6
Education 131: Common Teaching Skills. Education 133-34: Observation and Practice Teaching	3 6 2-6
Education 136 to 150: Special Methods	2-6
Total	23-27

Additional information concerning these programs may be obtained by writing to the Dean of the School of Education.

[·] Only for those who have graduated from a two- or three-year course in a Normal School.

Bachelor of Science in Home Economics

The curriculum leading to this degree is designed to prepare young women for the important responsibility of home-making. The program can be adapted, however, to meet special requirements in nutrition, dietetics, clothing, and other related fields. Each student must plan her work with the assistance of a Faculty adviser in the Department of Home Economics.

GENERAL HOME-MAKING

Home Economics	IOR YEAR	Credit Hours		OR TEAR	Credit Hours
Home Economics	72	3	Home Economics	152	. 3
Home Economics	102	3	Home Economics	171	. 3
A TOTHE ECONOMICS	772	0	Home Economics	181	. 3
- my stotoky III		/9	Home Economics	192	. 3
Electives		4.7	Home Economics	197–98	. 0
			Psychology 29 Electives		- 3
Total		10			. 9
		20	Total		. 30

Bachelor of Science in Physical Education for Men

There are three curricula leading to this degree. The Dual-Major Teacher's Course is designed to prepare students for teaching positions in smaller schools where it is necessary to teach an academic subject in addition to physical education. The Single-Major Teacher's Course prepares for the teaching of physical education in the larger schools. The Physical Education and Recreation Course has been planned for those who wish to be prepared to direct programs of recreation in addition to the teaching of physical education.

The minimum requirements for this degree are sixty-six credit hours, distributed as follows:

DUAL-MAJOR TEACHER'S COURSE

The minimum requirements for this degree are twenty-four credit hours in physical education, eighteen credit hours in education, eighteen credit hours in an academic teaching field, three credit hours in physiology, and three credit hours of electives, distributed as follows:

		cerives, distributed as follows:	
Education clectives Physical Education 102 Physical Education 107 Physical Education 113–14 Physical Education electives Physiology 115 Academic teaching field	Credit Hours 6 3 3 2 4 3 3 9	SENIOR YEAR CO	6 3 3 3 3
Total	33	Total	3

SINGLE-MAJOR TEACHER'S COURSE

The minimum requirements for this degree are thirty-five credit hours in physical education, eighteen credit hours in education, three credit hours in physiology, and ten credit hours of electives:

JUNIOR TEAR	Credit Hours		Credit Hours
Education 121-22 Education electives Physical Education 102 Physical Education 107 Physical Education 109-10 Physical Education 113-14 Physical Education 115-16 Physiology 115 Electives	3 3 2 4 4 4 4 3 4	Education 131 Education 133-34 Physical Education 103 Physical Education 122 Physical Education 124 Physical Education 125 Physical Education 131 Physical Education 131 Physical Education 138 Electives	3 3 3 3 3 6
Total	33	I Utai	00

PHYSICAL EDUCATION AND RECREATION COURSE

The minimum requirements for this course are sixty-six credit hours,

JUNIOR YEAR Credit Hours	SECTION India
Education 121-22	Education 131

Bachelor of Science in Physical Education for Women

There are three curricula leading to this degree. The Dual-Major Teacher's Course is designed to prepare students for teaching positions in smaller schools where it is necessary to teach an academic subject in addition to physical education. The Single Major Teacher's Course prepares for the teaching of physical education in the larger schools. The Physical Education and Recreation Course has been planned for those who wish to be prepared to direct programs of recreation in addition to the teaching of physical education.

The minimum requirements for this degree are sixty-six credit hours, distributed as follows:

DUAL OR SINGLE MAJOR TEACHER'S COURSE

The student desiring to prepare herself to teach another subject in addition to Physical Education for Women may do so by choosing her

elective hours from one subject-matter field with the advice of the Dean of the School of Education. Relevant work completed in the Junior College may be counted in this subject-matter field.

JUNIOR YEAR Education 121-22	Credit Hours	BERIOR TEAR	Credit Hours
Physical Education 102	2	Education 133-34	6
Physical Education 103	6	Physical Education 121, 122 Physical Education 130	6
Physical Education 111-12	4	Physical Education 131	3
Physiology 115	2	Academic teaching field or electives	8
Total	33	Total	33

PHYSICAL EDUCATION AND RECREATION COURSE

Education 121-22 Physical Education 48. Physical Education 102.	3	Education 133-34	. 2
Physical Education 103. Physical Education 105-6. Physical Education 111-12 Physical Education 132 Physical Education 151-52 Physiology 115 Total.	6 4 1 6 3	Physical Education 140. Physical Education 153-54. Physical Education 161. Electives Total	· 3 · 6 · 3 · 7

THE DEGREE OF MASTER OF ARTS IN EDUCATION

Upon the satisfactory completion of the graduate requirements of the School of Education, the degree of Master of Arts in Education is conferred. This is a professional degree, designed to prepare the student for some particular type of educational service. The program of studies leading to the degree will be selected by the candidate and his adviser from the various related departments of the University to give the student an adequate background in his chosen vocational field. For the prospective high school or junior high school teacher this will ordinarily include study in the subject which he is planning to teach as well as in the field of education.

In accordance with the foregoing general pattern of work, graduate programs of study are available in early childhood education, elementary education in the intermediate grades, elementary school administration, guidance, agricultural education, adult education, physical education, and

the various teaching fields in secondary education. Programs of work for teachers-in-service are differentiated from those for students without teaching experience. Additional information concerning these programs may be obtained by writing to the Dean.

ADMISSION TO CANDIDACY

In addition to admission requirements stated on pages 17 and 18, the applicant for admission to candidacy for the Master's degree must (1) have a general undergraduate quality-point index of at least 2.50, (2) have demonstrated a genuine interest in teaching, and (3) be in possession of personality traits that give promise of better-than-average success as a teacher. Those desiring to prepare for positions in guidance or administration must have had at least two years of successful teaching experience. Candidates who have had no professional courses must satisfactorily complete the required undergraduate professional courses, including Observation and Practice Teaching, in addition to graduate course requirements.

ADVANCED STANDING

Graduate work completed in other accredited institutions of learning may be credited toward the Master's degree, but a minimum of thirty credit hours must be completed at The George Washington University as a matriculated candidate in the School of Education.

Advanced courses completed in excess of the requirements for the Bachelor's degree in this University may be credited toward the Master's degree to the extent of twelve credit hours, provided the work fits in with the student's plan of specialization and is approved in writing by the Dean before being undertaken.

In determining advanced standing at the time of admission or readmission to Master's candidacy at this University, graduate work com-

pleted more than three years previously is not counted.

REQUIREMENTS FOR THE DEGREE

PLANS OF STUDY

Two plans of study lead to the degree of Master of Arts. Plan I requires a minimum of thirty hours of graduate credit, including a thesis carrying six hours of graduate credit. Plan 2 requires a minimum of thirty-three hours of graduate credit, including a course in Educational Research Methods and Procedures carrying three hours of graduate credit.

SELECTION OF COURSES

Programs of study under Plan 1 must include a minimum of twelve credit hours from third group courses in addition to the thesis. Under

Plan 2 a minimum of eighteen credit hours, in addition to the course in Educational Research Methods and Procedures, must be from third group courses.

Programs of study must include a minimum of twelve credit hours

from courses offered in the Department of Education.

When programs of study include additional academic preparation in one or more teaching fields, undergraduate and graduate courses combined must be at least equivalent to the undergraduate requirements of the Bachelor of Arts degree in the teaching field concerned.

THE THESIS

The thesis required under Plan 1 must conform to standards prescribed by the Committee on Theses. A statement of these standards may be obtained at the Office of the Dean.

The thesis subject must be approved in writing by the candidate's adviser and recorded in the Office of the Registrar by the date announced in the University calendar. One typewritten original and three legible and complete carbon copies of the thesis in its final form must be presented to the Dean by the candidate not later than the date announced in the University calendar. Requirements regarding the form of the thesis are stated on page 39, and additional information will be supplied by the Dean.

Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.

COMPREHENSIVE EXAMINATION

In addition to the course examinations, the candidate must pass a professional comprehensive examination which shall take into account his area of specialization.

FIVE-YEAR PROGRAM

A candidate entering the School of Education from the Junior College (or with equivalent preparation) may choose a three-year program leading to the degrees of Bachelor of Arts and Master of Arts in Education to be conferred simultaneously. The first year of this combined program will be devoted to teaching-field preparation; the work of the second year will include the Bachelor of Arts junior-year professional courses and a maximum of eighteen credit hours of graduate courses: that of the third and final year, senior-year undergraduate professional courses and the remaining graduate courses needed for the Master's

degree. Observation and Practice Teaching to be elected in the third year may not be taken for graduate credit. A quality-point index of at least 2.50 must be attained before beginning the work of the senior year and the program must meet all the requirements of the degrees of Bachelor of Arts and the Master of Arts in Education.

THE DEGREE OF DOCTOR OF EDUCATION

The requirements for the degree of Doctor of Education cannot be stated in credit hours, but they consist in general of at least two full years of work beyond the degree of Master of Arts in Education or the equivalent. The programs of study are designed to prepare students for administrative or supervisory positions, the teaching of education in normal schools or colleges, the teaching of an academic subject in schools or colleges, or for specialized types of educational service. The work is given a practical rather than a theoretical bent, and emphasizes the mastery and application of subject matter, both in the study requirements and in the dissertation. Special emphasis is placed upon the professional success of the candidate.

The candidate's program of study largely depends upon his previous educational background and his professional objective. Opportunities are provided for study leading to the following professional objectives: school superintendent, secondary school principal, supervisor, director of guidance, director of curriculum development, professor of education, and

specialist in educational research.

QUALIFICATIONS OF THE APPLICANT

The candidate for the degree of Doctor of Education must have completed (1) graduate work in fields prerequisite to his objective, equivalent to that required for the degree of Master of Arts in Education in The George Washington University, and (2) at least three years of successful educational experience.

ADMISSION TO CANDIDACY

To be admitted to candidacy for the degree the applicant must be accepted by the Faculty of the School of Education on the basis of an examination conducted by a committee appointed by the Dean. This examination will usually include the following: (1) a written examination involving problems related to the applicant's background; (2) a scholastic-aptitude test; (3) an oral examination.

CONSULTATIVE COMMITTEE

If the applicant is accepted as a candidate, his consultative committee will counsel the candidate and guide his work.

The consultative committee, in cooperation with the candidate, will (1) determine the candidate's fields of study, in each of which the candidate must pass a written examination at least eight months before he presents himself for the degree; (2) formulate a list of course requirements and of readings that will assist him in preparing for these examinations; and (3) designate the tools of investigation that will be needed by the candidate in the prosecution of his study. These tools may include one or more foreign languages, statistical methods, historical criticism, or any others considered essential by the committee. An examination in the tools designated must be passed by the candidate before he takes his comprehensive examination.

THE DISSERTATION

When the candidate has satisfied the requirements of his consultative committee, the committee is dissolved. A member of the faculty, in whose field the topic of the dissertation falls, is then appointed to serve as the candidate's adviser on his dissertation and in his field of specialization, and to recommend him to the Dean for the final oral examination when, in his judgment, the candidate's dissertation is acceptable.

Not later than the date specified in the University calendar the candidate shall submit to the Dean of the School of Education four copies of his dissertation—one typewritten original and three legible and complete carbon copies, on official thesis paper—and also a typewritten summary of the dissertation consisting of not more than 2,500 words. Requirements regarding the form of the dissertation are stated on page 39, and additional information will be supplied by the Dean.

The successful candidate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his disser-

THE FINAL EXAMINATION

At least three weeks before the degree is to be conferred the candidate must pass an oral examination on his dissertation and on his field of specialization before a committee of the Faculty appointed by the Dean, supplemented by two experts from outside the University appointed by the President. This examination is open to the public and all are privileged to question the candidate. The Dean, or a member of the Faculty designated by him, will preside at this examination.

THE SCHOOL OF GOVERNMENT

THE FACULTY AND STAFF OF INSTRUCTION .

Cloyd Heck Marvin, Ph.D., LL.D., President of the University Arthur Edward Burns, Ph.D., Acting Dean of the School of Government

Richard Norman Owens, Ph.D., C.P.A., Professor of Accounting and Business Administration

Elmer Louis Kayser, Ph.D., LL.D., Professor of European History

Warren Reed West, Ph.D., Professor of Political Science

Frank Mark Weida, Ph.D., Professor of Statistics

Harold Griffith Sutton, M.S., Professor of Finance

Mitchell Dreese, Ph.D., Professor of Educational Psychology

Ralph Dale Kennedy, Ph.D., Professor of Accounting and Business

Administration Wood Gray, Ph.D., Professor of American History

Thelma Hunt, Ph.D., M.D., Professor of Psychology

John Albert Tillema, Ph.D., LL.M., S.J.D., Professor of Political Science

John Withrow Brewer, Ph.D., Professor of International Law

Arthur Edward Burns, Ph.D., Professor of Economics

Howard Maxwell Merriman, Ph.D., Professor of American Diplomatic

Donald Stevenson Watson, Ph.D., Professor of Economics

James Christopher Corliss, A.M., Adjunct Professor of Inter-American

§Henry Furness Hubbard, Ph.D., Adjunct Professor of Psychology

William Crane Johnstone, Jr., Ph.D., Professorial Lecturer in Political

Gerhard Colm, Dr. rer. pol., Professorial Lecturer in Economics

Orton Wells Boyd, A.M., C.P.A., Professorial Lecturer on Accounting

Arlin Rex Johnson, Ph.D., Professorial Lecturer on Marketing

Ralph Aubrey Young, M.B.A., Ph.D., Professorial Lecturer in Economics

The President of the University, the Dean of the School, the Registrar of the University, the Director of Admissions of the University, Professors, Adjunct Professors, Associate Professors, and Assistant Professors constitute the Faculty.

² On sabbatical leave fall term 1949-50.

On leave of absence 1949-50.

H. F. Arthur Schoenfeld, A.M., Professorial Lecturer on European Diplomatic History

Elmer Boyd Staats, Ph.D., Professorial Lecturer on Public Adminis-

Joe Lee Jessup, M.B.A., Professorial Lecturer in Business Administra-

Edward Campion Acheson, Ph.D., Associate Professor of Finance Everett Herschel Johnson, Ph.D., Associate Professor of Statistics

Wolfgang Herbert Kraus, Dr. Jur., S.J.D., Associate Professor of Political Science

Roderic Hollett Davison, Ph.D., Associate Professor of European History Paul Edward Hanchett, Ph.D., Assistant Professor of Economics James Norman Mosel, A.M., Assistant Professor of Psychology Albert Raymond Miller, Jr., A.M., Assistant Professor of Economics Solomon Kullback, Ph.D., Lecturer in Statistics

Allen Dailey Manvel, A.B., Lecturer on Public Administration William George Torpey, Ph.D., Lecturer on Public Administration Jonathan Dayton Stoddart, A.M., Instructor in Political Science

COMMITTEES •

THE DEAN'S COUNCIL \$

1950 Wood Gray Donald Stevenson Watson

John Albert Tillema John Withrow Brewer

Thelma Hunt
Ralph Dale Kennedy

COMMITTEE ON ADMISSION AND ADVANCED STANDING

The Dean of the School, Chairman Harold Griffith Sutton, Secretary

Ralph Dale Kennedy Donald Stevenson Watson

Arthur Edward Burns Frank Mark Weida

GENERAL INFORMATION

INTRODUCTORY

The George Washington University has provided undergraduate and graduate training since 1898 in both foreign service and governmental theory and administration.

The President of the University and the Dean of the School of Government are members ex
 Elected by the Faculty.

It is the purpose of the School to give the student an understanding of the responsibilities under the Constitution of the United States in the conduct of public office—domestic and foreign. This can be accomplished not through any single course but through a curriculum which correlates

social, economic, political, historical, and psychological studies.

The program embraces both graduate and undergraduate work. Curricula leading to the Bachelor of Arts degree are offered in Foreign Affairs, Accounting, Business Administration, and Statistics. A graduate curriculum in each of these subjects is also offered. In addition to the fields mentioned above, graduate work is available in Government and Economic Policy, Public Administration, Personnel Administration, and Vocational Counseling.

The Foreign Affairs program is broad, covering international political relations, international trade and finance, and regional studies. Its purpose is to equip students, by providing general background and specialized work, for careers in the field of American foreign relations. The diplomatic service of the United States, the several agencies of government with responsibilities in the international field, the international organizations, and American enterprise abroad offer opportunities in this field.

Governmental service requires special training and background in many other subjects, including economic research, statistical investigation, accounting, administrative management, and personnel administration. The academic background for such work is offered in the various curricula of the School and is described below.

REGULATIONS

Students in the School of Government are subject to, and are expected to familiarize themselves with, the regulations concerning ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 11-23, and the University regulations stated on pages 35-41.

AMOUNT OF WORK

A full-time student not on probation may take ordinarily not more than seventeen credit hours. A student employed more than twenty-four hours a week, who is not on probation, may take not more than ten credit hours.

A full-time undergraduate student whose quality-point index is 3.50 or higher may take not more than nineteen credit hours. An undergraduate student employed more than twenty-four hours a week, whose quality-point index is 3.50 or higher, may take up to twelve credit hours.

Exceptions to these rules will require the approval of the Dean.

ATTENDANCE

The student is held responsible for all the work of the courses in which he is registered, and all absences must be excused by the instructor in charge before provision is made for him to make up the work missed.

CLASSIFICATION OF STUDENTS

A student who holds an Associate in Arts degree from the Junior College or the equivalent from another accredited institution, and who has registered his choice of one of the prescribed curricula at the Office of the Registrar, is classed as a junior. A student who has completed thirty credit hours in the School of Government is classed as a senior. A student who has satisfactorily completed the work for the Bachelor's degree, and who has registered his choice of one of the prescribed fields of study at the Office of the Registrar, is classed as a master in course.

INDEPENDENT STUDY PLAN

Under the independent study plan a student of demonstrated capacity, with special interest in the subject matter of a course, may be permitted to undertake independent study under the personal direction of an instructor, in accordance with the rules of the division in which the subject falls. Credit under this plan is limited to the specific course-credits as designated in the list of courses of instruction in this CATALOGUE.

THE DEGREE OF BACHELOR OF ARTS IN GOVERNMENT

Upon the satisfactory completion of the undergraduate requirements of the School of Government, the degree of Bachelor of Arts in Government, with a designation of the major field of study, is conferred. The major fields are Foreign Affairs, Accounting, Business Administration, and Statistics.

Students who have a special need for integrating courses from several departments or from more than one major field may request approval, by a faculty committee, of a special major program. The same rules and regulations will apply as in the regularly offered majors.

Requirements for the undergraduate major in Economics and Public Administration are stated under the departments of Economics and Political Science, respectively.

REQUIREMENTS FOR THE DEGREE

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

In order to graduate, a student must have the following: (1) a

quality-point index in all of his work of at least 2.00, and (2) a quality-point index of at least 2.50 in his major, normally forty-five to forty-eight credit hours in work of the third and fourth years.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation, where he will remain as long as his

quality-point index is below 2.00.

Suspension.—A student who has a quality-point index below 1.00 or who is placed on probation for a third term, whether successive or after an interval, will be suspended.

For the purpose of these rules, the summer sessions are considered a

term.

A student suspended for poor scholarship may apply for readmission after an interval of a calendar year. He must then submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

A student with a limited schedule is affected by the foregoing scholarship rules only when he has undertaken fifteen credit hours.

CURRICULUM REQUIREMENTS

For recommendation for graduation the School of Government requires, in addition to the appropriate Junior College work (see page 18 and curricula on page 62), a minimum of sixty credit hours during the junior and senior college years, as set forth in one of the following curricula:

Foreign Affairs	Credit Hours
Econ. 181-82. International Economics Geog. 122 or 123. Political or Economic Geography Hist. 150. European Diplomatic History Since 1854 or Pol. Sc. 171. International Politics Hist. 181-82. Diplomatic History of the United States. Pol. Sc. 172. International Organization: the United Nations. Pol. Sc. 181-82. International Law Language Advanced Composition and Conversation. Group Option. (To be selected from one of the following groups) Electives (To be selected with the approval of the adviser)	. 3 . 6 . 3 . 6
Total	. 60

All foreign affairs majors must complete the required courses listed above. The group option provides specialization in international politics, or international economics, or a geographic region, depending upon the student's interest. Option groups, however, are not rigid. A combination of courses in different options is possible with the consent of the adviser.

Group I-International Political Relations

This group option (18 credit hours as noted in list above) is composed of courses in the departments of Political Science, History, and Geography which are important to the study of American diplomatic relations. The selection of courses must be made upon consultation with the adviser.

Group II-International Economic Relations

This group option (18 credit hours as noted in list above) is composed of courses offered primarily by the departments of Economies and Business Administration which are important to the study of American economic, financial, and business relationships with foreign countries. The selection of courses must be made upon consultation with the adviser.

Group III-Area or Regional Studies

This group option (18 credit hours as noted in list above) may be selected from courses offered in the departments of Economies, History, Political Science, and Geography, dealing with a geographic region such as Europe, Latin America, or the Far East. This selection must be approved by the adviser.

Accounting	Credit
Bus, Adm. 115 Rusiness Finance	Hours
Bus. Adm. 145	. 3
Bus Adm. 151-52Intermediate Accounting.	. 3
The same of the sa	
Bus. Adm. 165 Auditing	. 3
Pol. Sc. 127, 128, 129. Commercial Law.	. 0
Selected from courses selection	_
Electives Business Administration)	. 0
Electives (To be selected with the approval of the adviser)	. 15
Total	60
Business Administration	Credit
Bus. Adm. 101 Business Organization and Combination	22
	Hours
Bus. Adm. 112. Personnel Management in L.	. 3
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance	. 3
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128	. 3
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128. Insurance Bus. Adm. 171 Marketing	. 3
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128. Insurance Bus. Adm. 171. Marketing Econ. 121-22	· 3 · 3 · 3
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128. Insurance Bus. Adm. 171. Marketing Econ. 121-22. Money and Banking. Pol. Sc. 127, 128. Comparaid Leaves	. 3
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128. Insurance Bus. Adm. 171. Marketing Econ. 121-22. Money and Banking Pol. Sc. 127, 128. Commercial Law. Curriculum Electives. (To be selected from courses relations)	· 3 · 3 · 3 · 6 · 6
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128. Insurance Bus. Adm. 171. Marketing Econ. 121-22. Money and Banking. Pol. Sc. 127, 128. Commercial Law. Curriculum Electives. (To be selected from courses relating to business administration with the appropriate to business and ministration with the appropriate t	3 3 3 3 6 6
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128. Insurance Bus. Adm. 171. Marketing Econ. 121-22. Money and Banking. Pol. Sc. 127, 128. Commercial Law. Curriculum Electives. (To be selected from courses relating to business ad ministration with the approval of the adviser; of these, of credit hours.	. 3 . 3 . 3 . 3 . 6
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128. Insurance Bus. Adm. 171. Marketing Econ. 121-22. Money and Banking Pol. Sc. 127, 128. Commercial Law. Curriculum Electives. (To be selected from courses relating to business ad ministration with the approval of the adviser; or these, 9 credit hours must be selected from th	· 3 · 3 · 3 · 6 · 6
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128. Insurance Bus. Adm. 171. Marketing Econ. 121-22. Money and Banking Pol. Sc. 127, 128. Commercial Law. Curriculum Electives. (To be selected from courses relating to business ad ministration with the approval of the adviser; or these, 9 credit hours must be selected from th	· 3 · 3 · 3 · 6 · 6
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128. Insurance Bus. Adm. 171. Marketing Econ. 121-22. Money and Banking Pol. Sc. 127, 128. Commercial Law. Curriculum Electives. (To be selected from courses relating to business ad ministration with the approval of the adviser; of these, 9 credit hours must be selected from the Department of Business Administration). Electives. (To be selected with the approval of the adviser).	· 3 · 3 · 3 · 6 · 6
Bus. Adm. 112. Personnel Management in Industry. Bus. Adm. 115. Business Finance Bus. Adm. 128. Insurance Bus. Adm. 171. Marketing Econ. 121-22. Money and Banking Pol. Sc. 127, 128. Commercial Law. Curriculum Electives. (To be selected from courses relating to business ad ministration with the approval of the adviser; or these, 9 credit hours must be selected from th	· 3 · 3 · 3 · 6 · 6

Foreign Commerce.—Business administration majors who wish to specialize in foreign commerce may request a modification of the above requirements. The modified major excludes some of the above required courses and adds others, such as a third year of foreign language, foreign markets, exporting and importing, economic geography, and other courses relating to overseas trade. Each program must be approved by the adviser.

Statistics	Credit House
Stat. 115-16Principles of Statistical Methods	. 6
Stat. 117 Analysis of Variance	. 3
Stat. 118 Correlation and the Chi-Square Test	. 3
Stat. 155-56 Mathematical Probability	. 6
Stat. 157-58 Mathematical Statistics	. 6
Group Option (To be selected from one of the following groups)	. 24
Electives (To be selected with the approval of the adviser)	. 12
Total	. 60

Group I-Economic and Business

Courses in this group are to be selected by students specializing in economic and business statistics upon consultation with the adviser. These courses are offered by the departments of Economics, Business Administration, and Statistics.

Group II-Education and Psychology

Courses in this group are to be selected by students specializing in educational and psychological statistics upon consultation with the adviser. These courses are offered by the departments of Psychology and Statistics.

Group III—Mathematics and the Biological and Physical Sciences

Courses in this group are to be selected by students specializing in mathematical statistics and statistical applications in the biological and physical science fields. Selections must be made upon consultation with the adviser.

Examinations for Waiving Curriculum Requirements

A student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum requirement in that subject and may qualify for registration in an advanced course. Passing of this examination does not entitle the student to any hours of credit toward the degree. A student desiring to take such examinations should make the request of the Dean and pay the required fee.

The candidate for the Master's degree who is deficient in undergraduate preparation may take a comprehensive examination on his undergraduate major field. Passing of this examination entitles the student to admission without taking specific courses to make up his deficiencies.

In courses taken to satisfy undergraduate deficiencies, the student must maintain at least a 3.00 average to be eligible for admission to graduate study.

THE DEGREE OF MASTER OF ARTS IN GOVERNMENT

Upon the satisfactory completion of the graduate requirements of the School of Government, the degree of Master of Arts in Government, with a designation of the major field of study, is conferred. The major fields are Foreign Affairs, Accounting, Business Administration, Business and Economic Statistics, Government and Economic Policy, Public Administration, Personnel Administration, and Vocational Counseling.

Students who have a special need for integrating courses from two or more of the major fields of concentration for the Master's degree may request approval, by a faculty committee, of a special major program. All rules and regulations for the Master's degree will apply to such special programs

ADMISSION TO CANDIDACY

A student is formally recognized as a candidate for the Master's degree only when his application for candidacy has been approved by the Dean. Application is made on a form obtainable at the Office of the Registrar.

Before being admitted to candidacy for the major in Foreign Affairs or in Government and Economic Policy the student must show a reading knowledge (certified by the appropriate language department) of at least one modern foreign language, to be approved by the Dean. Examinations in modern foreign languages will be given on the dates specified in the University calendar.

REQUIREMENTS FOR THE DEGREE

A minimum of thirty credit hours of work, as outlined in the curricula on pages 142-44, must be completed successfully. Variations from these curricula require the permission of the Dean.

No part of the minimum requirement may be taken in any other institution.

A second-group course (numbered 101-200), taken either in the undergraduate or graduate years, may be counted toward the Master's degree only when registration for advanced credit has been approved at the beginning of the course by the Dean and by the officer of instruction, and provided that the student has done such extra work in the course as may be prescribed by the instructor.

Work completed more than three years prior to registration for the Master's degree will be counted only if the candidate successfully passes an examination on the subject matter of the work offered for credit.

In addition to the course examinations, the candidate must pass a comprehensive written examination in his major field. An oral examination on his thesis may also be required.

No work counted toward a Bachelor's degree may be counted toward

a Master's degree.

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree will be assisted to plan his program so that he can qualify for admission to candidacy for the Doctorate.

RESIDENCE

No credit is granted for work done in absentia, i.e., without formal instruction, except for the thesis, which may be completed in absentia with the permission of the department concerned.

SCHOLARSHIP

A student whose scholarship is unsatisfactory may be suspended by the Dean. Regarding the system of grading, see pages 35 and 36.

CURRICULUM REQUIREMENTS

A normal program includes a minimum of twenty-four credit hours of course work and the thesis (six credit hours), to be selected from the courses listed under the chosen major field, and such other courses as may be necessary. All programs must be approved by the Faculty adviser and the Dean.

Foreign Affairs

Prerequisite: an undergraduate major in foreign affairs, economics, or political science, depending upon the field of specialization. Any course deficiency in such undergraduate majors must be made up.

The Master of Arts program in Foreign Affairs is offered in three fields of specialization: International Economics, International Politics, and Regional

International Economics.—Graduate courses in economics (numbered 200 and over) in the field of international trade, the balance of payments, international financial policies, and international economic policies form the principal part of this specialization. Graduate courses in economic theory are recommended. Other courses may be included with the consent of the adviser.

International Political Relations.-Graduate courses in political science and history (numbered 200 and over) in international law, international politics, international organization, diplomatic history, and American foreign policy, comprise the principal requirements for this specialization. Related courses may be added

with the consent of the adviser.

Regional Studies.-Graduate courses in economics, political science, and history (numbered 200 and over) dealing with a geographic region, such as Latin America, Europe, or the Far East, comprise the principal requirements. Other courses of broader scope in economics, history, and political science are recommended as part of the program. The adviser in all cases must approve such

The listing of graduate courses for these programs is given in the departmental

offerings for Economics, History, Political Science, and Geography.

Accounting

Prerequisite: an undergraduate major in accounting or the equivalent. The Master of Arts program in Accounting requires the following courses:

Bus. Adm.	215 Corporation	Financial Problems	3
Bus. Adm.	216 Seminar in	Business Finance	2
Bus. Adm.	251-52 Seminar in .	Accounting	Š

The remaining nine hours are to be selected from graduate courses offered by the Department of Business Administration; however, students interested in governmental accounting should select course work in governmental budgeting offered by the Department of Political Science. All programs must be approved by the adviser.

Business Administration

Prerequisite: an undergraduate major in business administration or the equivalent.

The Master of Arts program in Business Administration requires the following courses:

Bus. Adm.	215Corporation Financial Problems	
Dus. Aum.	201-02 Business Policy	0
Bus. Adm.	291-92 Seminar in Business Administration	5

The remaining nine hours of course work are to be selected from courses in or related to business administration with the approval of the adviser.

Business and Economic Statistics

Prerequisite: an undergraduate major in statistics or the equivalent, coupled with adequate training in economics and business administration.

The Master of Arts program in Business and Economic Statistics requires at least twelve credit hours to be taken from the following:

Statistics	201Design of Experiments. 202Theory of Estimation and Testing Hypotheses 203-4The Theory of Econometrics. 205-6Advanced Business and Economic Statistics.	3
Statistics	205-6Advanced Business and Economic Statistics	6

The remaining twelve hours are to be selected from graduate work offered by the departments of Business Administration, Economics, and Statistics with the approval of the adviser.

Government and Economic Policy

Prerequisite: an undergraduate major in economics or the equivalent.

Graduate courses in economics, especially those in the theory of economic policy, the level of income and employment, national income, economic stabilization, and fiscal policy, comprise the principal part of this program. Graduate courses in economic theory and statistics are recommended to complete the program. These courses and others that may be appropriate, are to be selected with the consent of the adviser.

Public Administration

Prerequisite: an undergraduate major in political science or an undergraduate background in the social sciences appropriate to specialization in this field.

The Master of Arts in Public Administration requires a program comprising graduate courses in governmental organization and functions, budgetary administration and controls, administrative principles and problems, and personnel management. Other related courses in political science and economics are added upon consultation with the adviser.

Personnel Administration

Prerequisite: an undergraduate major in the social sciences, business administration, or education, coupled with courses in personnel psychology, social psy-

chology, or abnormal psychology.

The program requires six graduate credits in personnel administration offered in the Department of Political Science; six graduate credits in psychology relating to personnel work; six graduate credits in labor relations and business administration; the remaining six credits are elective. Each program must be approved by the adviser.

Vocational Counseling

Prerequisite: An undergraduate major in psychology, business administration, or education; or an undergraduate major in the social sciences appropriate to specialization in this field. The undergraduate background should include necessary basic training in such fields as psychology, sociology, statistics, labor economics, and business management or public administration.

The Master of Arts program in Vocational Counseling requires the following

courses:

Psychology	227 Seminar: Educational and Vocational Guidance	3
Psychology	228 Seminar: Techniques of Counseling	3
	229Occupational and Educational Information	
	231Test Construction	
Statistics 2	6 Personnel Measurement Techniques	3

The remaining six hours are elective, with the approval of the adviser.

THE THESIS

The thesis must be registered for not later than the beginning of the final year, unless the professor in charge of the thesis permits registration at the beginning of the final term. The choice of the thesis subject must be approved by the professor in charge and recorded in the Office of the Registrar by the date announced in the University calendar. The typewritten thesis in its final form must have the approval of the professor in charge and must be presented to the Dean by the student not later than the date announced in the University calendar. Requirements in regard to the form of the thesis are stated on page 36, and additional information will be supplied by the Dean.

Payment of tuition for the thesis entitles the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year is granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.

FOREIGN SERVICE REVIEW COURSE

The School of Government is continuing to offer the Summer Review Course, started in 1946, for persons interested in preparing for the written Foreign Service Examination given by the Department of State, The faculty consists primarily of those members of the University staff who have participated in the conduct of similar courses in the past but will also include guest lecturers on domestic and international affairs.

Since this Course is primarily an intensive review of college work already completed, and is offered as a service to the superior graduate student who wishes to prepare for the written Foreign Service Examina-

tion, no academic credit will be given.

Subjects to be reviewed during the 1949 Course will include the following: American History and American Diplomatic History; European History and European Diplomatic History; Principles of Economics (including International Economics and Foreign Exchange); Geography; General Statistics; English; Races, Languages, and Religions; Contemporary Affairs.

For further details, including designation by the Department of State, admission requirements, fees, and living accommodations, address The

Director, Foreign Service Course, School of Government,

THE DIVISION OF UNIVERSITY STUDENTS

Cloyd Heck Marvin, Ph.D., LL.D., President of the University Elmer Louis Kayser, Ph.D., LL.D., Dean of the Division of University Students

THE DEAN'S COUNCIL *

Arthur Edward Burns Francis Edgar Johnston
Charles Rudolph Naeser

GENERAL INFORMATION

INTRODUCTORY

The Division of University Students was established in 1930. In this Division are registered mature students who wish to undertake University courses either for credit or as auditors but who are not interested in working toward degrees in this University.

REGULATIONS

Students in the Division of University Students are subject to, and are expected to familiarize themselves with, the regulations concerning ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 11-23; the University regulations stated on pages 35-41; and the regulations concerning PROBATION, SUSPENSION, AND WARNINGS which are the same as those stated on pages 56 and 57 under the Junior College.

TRANSFER TO REGULAR STATUS

A "University student" may be transferred, at his request, to another college or school of the University only upon complying with the regulations of the specific college or school to which he wishes to transfer. The student should familiarize himself with the regulations printed in the University CATALOGUE concerning admission, residence, amount and quality of work. Specifically, he should note that in some cases not more than thirty (30) hours of credit may be transferred from this Division; that at least the last thirty (30) credit hours must be spent in residence in the college or school granting the degree; and that a general quality-point index of 2.00 must be maintained, with an index of 2.50 in the major.

The President of the University and the Dean of the Division of University Students are members ex officio of the council.

THE DIVISION OF SPECIAL STUDENTS

Cloyd Heck Marvin, Ph.D., I.L.D., President of the University Warren Reed West, Ph.D., Dean of the Division of Special Students

THE DEAN'S COUNCIL.

Thelma Hunt

Raymond Pugh Eyman

Fred Salisbury Tupper

GENERAL INFORMATION

INTRODUCTORY

The Division of Special Students was organized in 1944. To this Division may be admitted students who are in the process of qualifying for degree candidacy. Students in this Division are designated "special students".

REGULATIONS

Students in the Division of Special Students are subject to, and are expected to familiarize themselves with, the regulations concerning ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 11-23; and the University regulations stated on pages 35-41.

SCHOLARSHIP

A student in this Division may be dropped for reasons of scholarship at any time his quality-point index falls below 2.00.

The system of grading and computing scholarship is described in detail on pages 35 and 36.

AMOUNT OF WORK

In each individual case, the schedule will be reduced when it is deemed advisable.

ACADEMIC SCHEDULE

The schedule of the "special student" is made up of courses required in the curriculum to which he wishes transfer. If he has not completed the language requirements of this curriculum at the time of his admission to the University, he must include a language course in his academic schedule until this requirement is met.

TRANSFER TO REGULAR STATUS

A "special student" may be transferred to another college or school of the University only upon complying with the regulations of the specific college or school to which he wishes to transfer. The student should

The President of the University and the Dean of the Division of Special Students are members ex officio of the council.

familiarize himself with the regulations printed in the University CATALOGUB concerning admission, residence, amount and quality of work. Specifically, he should note that in some cases not more than thirty (30) hours of credit may be transferred from this Division; that the residence requirement of the school to which he is transferring must be met; and that a general quality-point index of 2.00 must be maintained, with an index of 2.50 in the major.

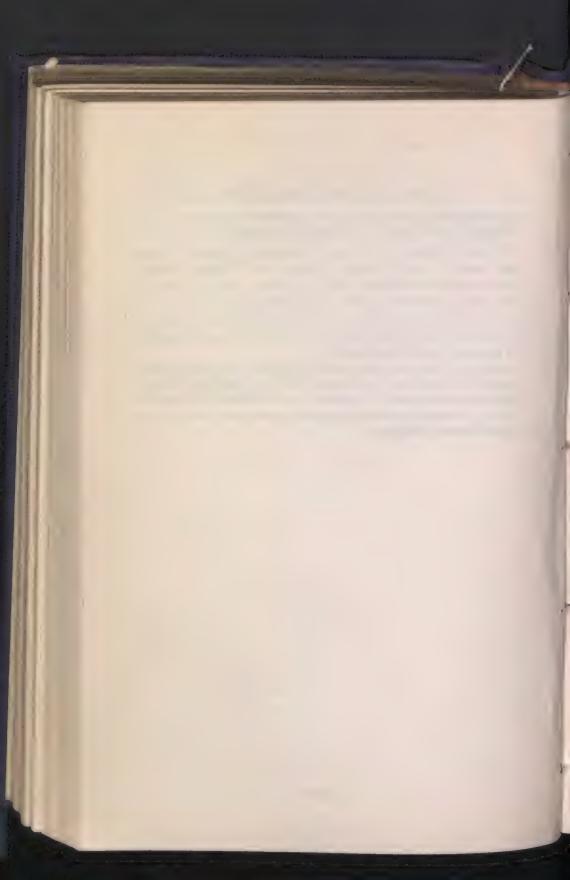
THE SUMMER SESSIONS

Cloyd Heck Marvin, Ph.D., LL.D., President of the University Mitchell Dreese, Ph.D., Dean of the Summer Sessions

The George Washington University is continuing the accelerated program started in 1942. During the summer the University offers a fifteen-week term equivalent to the fall or winter term of the academic year, and two eight-week sessions which together constitute the equivalent of a full term. In addition, the School of Education offers a special six-week session for teachers, with a pre-session of three weeks and a post-session of three weeks. Students may enter the Summer Sessions at the beginning of any of the sessions.

During the summer of 1949, courses are offered in the Junior College, Columbian College (the senior college), the Law School, the School of Engineering, the School of Education, and the School of Government.

For a complete statement concerning summer-term work, see the Summer Sessions catalogue.



COURSES OF INSTRUCTION



COURSES OF INSTRUCTION

On the following pages of this CATALOGUE, under the alphabetically arranged names of the departments of instruction, are listed the courses of instruction offered by the University in the summer of 1949 and in the academic year 1949-50. The courses as here listed are subject to some slight change. The University reserves the right to withdraw any course announced.

Hours of Instruction

Courses of instruction are scheduled in the morning, afternoon, and evening. Evening classes are identical with the daytime sections of the corresponding courses, are taught by the same instructors, and carry the same amount of credit. By taking the evening and summer classes and extending the time of study beyond the customary four years, a student who is able to give only part of his time to college work may complete a regular curriculum and obtain a degree.

EXPLANATION OF COURSE NUMBERS

An odd number preceding the name of the course indicates that the course is offered in the fall term; an even number, that it is offered in the winter term; and a double number (157-58), that it begins in the fall term and continues in the winter term. The letter "x" following an odd course number (e.g., 21x) indicates that the course, normally offered in the fall term, is given in the winter term. The letter "x" following an even course number (e.g., 22x) indicates that the course, normally offered in the winter term, is given in the fall term.

In the departments of the School of Medicine, first-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and fourth-year courses, from 401 to 500.

In the Law School, first-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and graduate courses, from 401 to 500.

In all other schools and colleges the following system of numbering is used:

First-group courses.—Courses numbered from 1 to 100 are planned for students in the freshman and sophomore years. With the approval of the adviser and the dean, they may also be taken by juniors and seniors. In certain instances, they may be taken by graduate students to make up undergraduate deficiencies or as prerequisite to advanced courses, but they may not be credited toward a higher degree.

Second-group courses.—Courses numbered from 101 to 200, are planned

for students in the junior and senior years. They may be credited toward higher degrees only when registration for graduate credit has been approved at the beginning of the course by the dean responsible for the graduate work and by the officer of instruction, and when the completion of additional work has been certified by the officer of instruction.

Third-group courses.—Courses numbered from 201 to 300 are planned primarily for graduate students. They are open, with the approval of the officer of instruction, to qualified seniors; they are not open to Junior College students or other undergraduates.

INDICATION OF THE AMOUNT OF CREDIT

The number of credit hours given for the satisfactory completion of a course is, in most cases, indicated in parentheses after the name of the course. Thus, a year course giving three hours of credit each term is marked (3-3), and a term course giving three hours of credit is marked (3). A credit hour usually consists of the completion of one fifty-minute period of class work or of one laboratory period a week for one term.

A dagger (†) preceding the number of a year course indicates that the course may not be entered in the second term and that credit will not be given until the work of both terms has been completed.

ANATOMY

Warren Andrew, Ph.D., M.D., Professor of Anatomy, Executive Officer Ross Clayton MacCardle, Ph.D., Professorial Lecturer in Anatomy Paul Calabrisi, A.M., Associate Professor of Anatomy Victor Henry Esch, M.D., Instructor in Anatomy

- IOI-2 Gross Anatomy
 Regional dissection of the human body supplemented with lectures and quiz sections. Study of X-ray anatomy to emphasize the functional aspects of the position, shape, and relation of the viscera and skeletal components. Eighteen hours a week, fall term; nine hours a week, winter term.
 - The Staff
 The origin and development of the human body. Special emphasis on the value of embryology in interpreting anatomical anomalies and variations as seen in gross dissection, surgery, obstetrics, and pathology. Three hours a week.
 - The macroscopic and microscopic study of the central nervous system and the special sense organs. Emphasis on such dynamic aspects as development, pathways, lesions, etc. Six hours a week.
 - Study of the detailed minute structure of cells, tissues, and organs of the human body with emphasis on the relation of structure to function. Recognition and interpretation of histological sections tested by practical examinations. Six hours a week.
- 201-2 Seminar

 Reports and discussions of special topics by the staff and graduate students. Regular medical students are encouraged to attend. One
- 295-96 Research
 Hours and credits to be arranged.
 The Staff
- 299-300 Thesis (3-3) The Staff

ANESTHESIOLOGY

Lloyd Harvey Mousel, M.S., M.D., Professor of Anesthesiology, Executive Officer

Donald Harrison Stubbs, A.M., M.D., Clinical Professor of Anesthesiology

Charles Seymour Coakley, M.D., Assistant Professor of Anesthesiology Seymour Alpert, A.B., M.D., Instructor in Anesthesiology

William Bageant, M.D., Clinical Instructor in Anesthesiology

261 Anesthesiology
Review of basic sciences and correlation between basic sciences and clinical work. One hour a week.

433-34 Advanced Anesthesiology

Fourth-year students are rotated through the work of the department for a period of two weeks for each student and assigned to work in operating rooms, conferences, and seminars.

480 Research
Hours to be arranged.

The Staff

ART

Norris Ingersoll Crandall, M.Arch., Professor of Art, Executive Officer Donald Chenoweth Kline, B.Arch., Associate Professor of Art

STAFF IN THE CORCORAN SCHOOL OF ART

DRAWING AND PAINTING: Richard Lahey, Principal, Eugen Weisz, Edmund Archer, Jessalee Sickman, Kenneth Stubbs, Omar Carrington

SCULPTURE AND CARVING: Heinz Warneke

COMMERCIAL ART: Henry Liebschutz, William Sholar, Charles Isbell

The major in art appreciation (Departmental).-Prerequisite: Art 11-12 and

71-72. Required: Art 101-2, 121-22, 141-42, 151-52, and 161-62.

The major in drawing and painting (Departmental).—Prerequisite: Art 11-12. Required: Art 121-22, and at least thirty-six credit hours of drawing and painting. The classes in drawing and painting are held at the Corcoran School of Art.

FIRST GROUP

- 11-12 Art Appreciation (3-3) Crandall An introduction to the appreciation of the fine arts and to the interpretation of the paintings of the old and modern masters. Morning and evening sections.
- 67-68 Life and Portrait-Drawing and Archer, Stubbs Painting (6-6) Morning, afternoon, and evening sections.
- 71-72 Introduction to the Arts in America (3-3) Painting, sculpture, architecture, furniture, music, and folk arts. Morning, afternoon, and evening sections.
- 73-74 Still Life and Portrait-Drawing Sickman, Carrington and Painting; Antique Drawing (6-6) Morning, afternoon, and evening sections.

SECOND GROUP

- 101-2 The Design of the Home (3-3) The history and development of the home, and home furnishings in Crandall relation to home design. 1949-50 and alternate years, afternoon. 1950-51 and alternate years, evening.
- 121-22 World History of Art (3-3) The fine arts from ancient times to the present. Prerequisite: Art 11-12. 1949-50 and alternate years, afternoon. 1950-51 and alternate years, evening.

- 141-42 Interior Decoration (3-3)

 The selection and use of furniture, wall and floor coverings, draperies, and lighting. 1949-50 and alternate years, evening. 1950-51 and alternate years, afternoon.
- 143-44 Folk Arts of America (3-3)
 Woodcarving, painting, ceramics, glass, furniture, and music. (Not offered in 1949-50.)
- The interpretation of the fine arts of the nineteenth and twentieth centuries of Europe and the Americas. Prerequisite: Art 11-12.

 1949-50 and alternate years, evening. 1950-51 and alternate years.
- 161-62 History of Art Criticism (3-3)

 A survey of art criticism from ancient Greece to the present. Admission by permission of the instructor. Evening.
- 165-66 Life and Portrait—Drawing Lahey, Weisz, Archer and Painting (6-6)
 Morning, afternoon, and evening sections.
- Weisz
 Design and pictorial organization; drawing and painting. Afternoon.
- Warneke
 Portrait-life modeling and composition in clay, plaster and wood carving. Afternoon and evening sections.
- 183-84 Design and Commercial Art Liebschutz, Sholar, Isbell
 (6-6)

 Prerequisite: One year (6 hours daily) in a professional art school or the equivalent, or by permission of the instructor. Morning, afternoon, and evening sections.
- 185-86 Advanced Commercial Art Credits to be arranged. (Not offered in 1949-50.)

BACTERIOLOGY, HYGIENE, AND PREVENTIVE MEDICINE

Leland Wilbur Part, Ph.D., Professor of Bacteriology, Executive Officer Angus MacIvor Griffin, Ph.D., Professor of Bacteriology

Ralph Gregory Beachley, M.D., Dr.P.H., Adjunct Professor of Public Health Practice

Mary Louise Robbins, Ph.D., Assistant Professor of Bacteriology

Lewis Walke McIlhany, M.S., M.D., Clinical Instructor in Public

William Gray McCarten, B.S., Associate in Bacteriology

SEMINAR LECTURERS

- Charles Armstrong, B.S., M.D., Sc.D., Professorial Lecturer in Preventive Medicine
- Rolla Eugene Dyer, A.B., M.D., LL.D., Professorial Lecturer in Preventive Medicine
- Royd Ray Sayers, A.M., M.D., Professorial Lecturer on Industrial
- Sara Elizabeth Branham, Ph.D., M.D., Sc.D., Professorial Lecturer in
- Chester Wilson Emmons, Ph.D., Professorial Lecturer on Medical My-
- Willard Hull Wright, D.V.M., Ph.D., Professorial Lecturer on Medical
- John Roderick Heller, Jr., B.S., M.D., Professorial Lecturer on Venereal
- Carl John Lauter, M.S., Professorial Lecturer on Municipal Sanitation Robert Carter Cook, Professorial Lecturer on Medical Genetics
- Robert Hanna Felix, M.D., M.P.H., Professorial Lecturer on Mental
 - 112 General Bacteriology (4) Griffin, Robbins A study of the fundamentals of bacteriology, including industrial and hygienic applications. Several groups of bacteria, yeasts, and molds are studied in the laboratory. Material fee, \$7.50. Tues., Thurs.,

Medical Microbiology (1-13)

Bacteria, rickettsia, viruses, yeasts, molds, protozoa, and metazoa which relate to the health and diseases of man—cultural study of most important forms; methods of diagnosis by microscopic, cultural immunologic, and animal reaction method; theory and methods of immunology; vaccines; serums; antibiotics; epidemiology and fundamentals of preventive medicine and public health practice. Open to suitably prepared graduate students; may be elected as a whole or in part, with credit allocated as follows: (a) Bacteriology, including rickettsia and viruses (7); (b) Parasitology, including medical mycology (3); (c) Immunology (1); and (d) Epidemiology and Fundamentals of Preventive Medicine and Public Health (2)—required of Pharmacy majors—Tues, 8:00 A.M. and Thurs, 9:00 A.M.

219-20 Advanced Microbiology Griffin and Staff
Special study of advanced methods and current problems in microbiology for suitably qualified students specializing in microbiology.

Prerequisite: Bacteriology 112 or 209. Chemistry 151-52 or the equivalent. Time and credits to be arranged.

295-96 Research in Bacteriology
Time and credits to be arranged.

The Staff

299-300 Thesis (3-3)

The Staff

305-6 Staff Seminar (1-1)
Bi-weekly throughout the year.

The Staff

Study of public health practice at national, state, city, and county levels. Public and private agencies. Sat., 10:00 A.M.

404 Industrial Hygiene (1)

For senior medical students and qualified graduate students. Lecture course dealing with the problems of health maintenance and disease prevention and cure as affected by industry. Time to be arranged.

BIOCHEMISTRY

Joseph Hyram Roe, Ph.D., Professor of Biochemistry, Executive Officer *Arnold Kent Balls, Ph.D., Adjunct Professor of Enzymology William Henry Sebrell, Jr., M.D., Professorial Lecturer on Nutrition George Washington Irving, Jr., Ph.D., Professorial Lecturer on Proteins Carleton Raymond Treadwell, Ph.D., Associate Professor of Biochemistry Mary Barbara Mills, Ph.D., Assistant Professor of Biochemistry

113-14 Biochemistry Roe and Staff Physiological and clinical chemistry for the first-year medical student. Two lectures and two three-hour laboratory periods a week.

221-22 Biochemistry (4-4) Treadwell A lecture and laboratory course for nonmedical students. Prerequisite: Chemistry 22 and 152. Material fee, \$12 a term. Tues. and Thurs., 9:00 to 12:00 A.M. and 1:00 to 2:00 P.M.

224 Biochemistry of the Enzymes Lecture course dealing with the biochemistry of the enzymes and enzyme reactions. Prerequisite: Biochemistry 113 or 221. (Not offered in 1949-50.)

225 Biochemical Preparations The Staff Material fee, \$10. Time and credits to be arranged.

226 Biochemical Laboratory Methods Material fee, \$12. Time and credits to be arranged. The Staff

227-28 Biochemistry Seminar (1-1) The current literature in the field of biochemistry, mainly for graduate students, but open to a limited number of specially qualified medical students. Fri., 4:45 P.M.

231 Proteins and Amino Acids (1) A lecture course. Prerequisite: Biochemistry 114 or 222. Mon., Irving

295-96 Research in Biochemistry Roe, Treadwell Time and credits to be arranged.

299-300 Thesis (3-3) Roe 404 Applied Nutrition (1) For senior medical students and graduate students. Lecture course upon dietary requirements, deficiency diseases, and therapeutic diets. Prerequisite: Biochemistry 114 or 222. Sat., 10:00 A.M.

On leave of absence 1949-50.

BIOLOGY *

Paul William Bowman, Ph.D., Professor of Biology, Executive Officer Sam Clark Munson, M.S., Assistant Professor of Biology Robert Carter Cook, Lecturer on Genetics Paul Louis Illg, A.M., Lecturer in Biology

The major in Biology (Field-of-Study).—Students will be required to demonstrate in the Major Examination a reasonable knowledge and understanding of the classification and life histories of plants and animals, ecology, geology, evolution, heredity, the physical and cultural development of man, public health problems, and the history of biology. The course offerings will be correlated and supplemented by supervised study in the proseminar. For details, see the pamphlet, which is available in the Office of the Dean of Columbian College, or consult the Executive Officer of the Department.

FIRST GROUP

Systematic study of the plant and animal kingdoms, with emphasis upon the interdependences of living things and their relations with their environments. Introduction to evolution, heredity, public health, and conservation. Material fee, \$4.50 a term. Lecture (1 hour)—afternoon and evening sections; laboratory (2 hours)—morning, afternoon, and evening sections; field trip to nearby countryside and to museums and other places of biological interest (3 hours)—morning and afternoon sections. (Also offered 1949 summer term.)

Biology 1x—same as Biology 1, but offered winter term. Morning.

SECOND GROUP

Study of plant and animal cells and their components, including the chromosomes and their role in heredity, with training in the preparation of materials for study. Prerequisite: one year of college work in biology, botany, or zoology. Material fee, \$6 a term. Lecture (I hour); laboratory (4 hours)—evening. (Also offered 1949 summer term—Biology 115 (3).)

Biology 115x—same as Biology 115, but offered winter term. Evening.

Biology 116x—same as Biology 116, but offered fall term. Evening.

127-28 Genetics (3-3)

A lecture course in which the general principles are illustrated with specific examples of inheritance in plants and animals, including man. Prerequisite: one year of college work in biology, botany, or zoology. Evening. (Also offered 1949 summer term—Biology 127 (3).)

[•] See also departments of Botany and Zoology, pages 168-69, \$11-13.

- 139 Cell Physiology (3)

 The fundamental physiology of protoplasm. Prerequisite: Chemistry
 12 and one year of college biology, botany, or zoology. Offered 195051 and alternate years. Morning.
- 199-200 Proseminar in Biology (3-3)

 Individually planned and directed study by means of which majors in biology may correlate and supplement the subject matter presented in various regular courses. Time to be arranged.

THIRD GROUP

201-2 Seminar: Cytology (3-3)
Time to be arranged.

Bowman

- 211-12 Research in Cytology
 Time and credits to be arranged. (Also offered 1949 summer term—
- 299-300 Thesis (3-3)

Bowman

BOTANY*

Lawson Edwin Yocum, Ph.D., Professor of Botany, Executive Officer William Webster Diehl, Ph.D., Adjunct Professor of Mycology Lyman Bradford Smith, Ph.D., Professorial Lecturer on Taxonomy June Cooper Reynolds, A.M., Associate in Botany Caroline Lander Adams, Ph.D., Associate in Botany

Minimum requirements for the major in Botany (Departmental).—Twenty-four credit hours of botany beyond the introductory courses, with collaterals as recommended in conference.

FIRST GROUP

1 Structure and Functions of the Flowering Yocum
Plant (3)

The typical plant as a working mechanism, with the emphasis on the general biological significance of plant physiology. Material fee, \$4.50. Lecture (2 hours); laboratory (2 hours)—morning, afternoon, and evening sections. (Also offered 1949 summer term.)

Botany 1x-same as Botany 1, but offered winter term. Morning and afternoon sections.

2 Survey of the Plant Kingdom (3) Yocum Study of the different kinds of plants, with emphasis on the evolution of the plant kingdom; practice in identifying flowering plants. Material fee, \$4.50. Lecture (2 hours); laboratory (2 hours)—morning, afternoon, and evening sections. (Also offered 1949 summer term.)

SECOND GROUP

- Field Botany (3)
 Field trips to neighboring localities of botanical interest, with classroom study. Prerequisite: Botany 1 and 2 or Biology 1-2. Lecture
 (2 hours); laboratory (4 hours); field trips (3 hours).
 Summer term 1949.
- 109 Plant Morphology (3)

 Survey of structure of root, stem, leaf, and flower of seed plants; followed by the application to several of the economically important families. Prerequisite: Botany 1 and 2 or Biology 1-2. Lecture (2 hours); laboratory (2 hours). 1950-51 and alternate years, morning.
- The functions of plants with special emphasis on the practical problems of growing and of caring for plants. Prerequisite: Botany 1 and 2 or Biology 1-2. Lecture (2 hours); laboratory (2 hours). 1950-51 and alternate years, morning.

See also the departments of Biology and Zoology, pages 166-67, 311-13.
 Before completing registration for Botany 1, each student must obtain from the representative of the Department an assignment to a laboratory section.

- 125-26 Plant Taxonomy (3-3) A study of the characteristics, phylogeny, and economics of selected Smith A study of the characteristics, phytogeny, and economics of selected families of the flowering plants. Field collection and identification. Prerequisite: Botany 1 and 2 or Biology 1-2. Material fee, \$4.50. Lecture (1 hour); laboratory and field (4 hours). 1949-50 and alternate years. Evening.
- 131-32 Mycology (3-3) Lecture (1 hour); laboratory (4 hours). 1950-51 and alternate years,
- 133-34 Plant Pathology (3-3)
 Material fee, \$6 a term. 1949-50 and alternate years, evening. Diehl
- 135-36 Plant Physiology (3-3) Fall term: mineral and water relations of plants; winter term: organic syntheses and growth. Prerequisite: Chemistry 11-12. Material fee, \$6 a term. 1949-50 and alternate years, evening.
- 141-42 Plant Ecology (3-3) Lecture (2 hours); laboratory (2 hours). 1950-51 and alternate
 - 143 Plant Distribution (3) Plant distribution, especially in the United States and Canada; biological relationships of eastern America with eastern Asia and of lands in the Southern Hemisphere, and their bearing on biological and geological history. 1950-51 and alternate years, evening.
 - 144 Vegetation of the United States (3) Seminar on the areas and characteristics of the principal types of vegetation in the United States. 1950-51 and alternate years, evening.

THIRD GROUP

221-22 Seminar: Taxonomy (3-3) (Not offered in 1949-50.)

Smith

235-36 Seminar: Physiology (3-3) 1949-50 and alternate years. Time to be arranged.

Yocum

- 241-42 Seminar: Ecology (3-3) (Not offered in 1949-50.)
- 295-96 Research Time and credits to be arranged. (Also offered 1949 summer term.) The Staff
- 299-300 Thesis (3-3)

The Staff

BUSINESS ADMINISTRATION

Richard Norman Owens, Ph.D., C.P.A., Professor of Accounting and Business Administration

Harold Griffith Sutton, M.S., Professor of Finance

Ralph Dale Kennedy, Ph.D., Professor of Accounting and Business Administration, Executive Officer

Orton Wells Boyd, A.M., C.P.A., Professorial Lecturer on Accounting Arlin Rex Johnson, Ph.D., Professorial Lecturer on Marketing

James Carlton Dockeray, Ph.D., Professorial Lecturer in Business Administration

Montell Ernest Ogdon, Ph.D., Professorial Lecturer in Business Administration

Joe Lee Jessup, M.B.A., Professorial Lecturer in Business Administration

Harold Kelso, Ph.D., Professorial Lecturer in Business Administration, Assistant Professor of Accounting

Edwin Lewis, M.B.A., Lecturer on Accounting

Frank Robert Byrne, M.B.A., LL.M., C.P.A., Lecturer on Accounting

James Leonard Buckler, A.B., Lecturer on Accounting

Forest Carlile Brimacombe, A.M., Lecturer on Accounting

Ira Ernest Steele, B.B.A., Lecturer on Accounting

William McPheeters Jones, B.S., Lecturer on Accounting

Minimum requirements for the major in Accounting.—See pages 141-42, 143.

Minimum requirements for the major in Business Administration.—See pages 141-42, 143-44.

FIRST GROUP

51-52 Introductory Accounting (3-3) Kennedy and Staff Rules of debit and credit, underlying principles of accounting records, simple partnership and corporation problems, and the preparation of financial statements. Morning, afternoon, and evening sections. (Also offered 1949 summer term.)

Business Administration 51x—same as Business Administration 51,

but offered winter term. Morning and evening sections.

Business Administration 52x—same as Business Administration 52, but offered fall term. Prerequisite: Business Administration 51, or the approval of the instructor. Morning and evening sections.

SECOND GROUP

Simple and interrelated forms of business enterprise and their control by government. Morning. (Also offered 1949 summer term.)

Business Administration 101x—same as Business Administration 101, but offered winter term. Evening.

- Ovens
 Organization and management of a business. Morning.
 Business Administration 102x—same as Business Administration 102, but offered fall term. Evening.
- Selected laws and court cases governing unfair trade practices, monopoly, security issues and security exchanges, labor disputes, and price control. Afternoon.
- Survey of labor policies and methods of business enterprises. Afternoon and evening sections. (Also offered 1949 summer term.)

 Business Administration 112x—same as Business Administration 112. but offered fall term. Afternoon and evening sections.
- Business Finance (3)
 Basic principles involved in the financing of business enterprises. Prerequisite: Business Administration 51-52; Economics 1-2. Morning and evening sections. (Also offered 1949 summer term.)
 Business Administration 115x—same as Business Administration 115, but offered winter term. Evening.
- Types and sources of credit information; credit relationships from the standpoint of (1) the commercial bank and (2) the commercial business enterprise. Prerequisite: Business Administration 51-52. Evening.
- Analysis of factors of investment credit with application to different types of investments; proper selection of investments for various classes of investors; regulation. Prerequisite: Business Administration Business Administration 118x—same as Business Administration 118, but offered fall term. Morning.
- Fundamentals of real estate practice; leasing and property management; valuation, financing, and taxation. Evening.
- A general course in underlying principles of property, life, marine, and casualty insurance, and the function of insurance in the economic life of a business or individual. Prerequisite: Economics 1-2. Morning.

 Business Administration 128x—same as Business Administration 128, but offered fall term. Evening.
- Policies, practices, and procedures relating to the formulation and execution of the federal budget. Evening.
- 132 Business Budgeting (3)

 The preparation and utilization of budgets as an aid to management.

 Prerequisite: Business Administration 51-52. Morning.

 Business Administration 132x—same as Business Administration 132, but offered fall term. Evening.

- 136 Business Problems (3)
 Survey of business forecasting, purchasing, and other current problems of business. Prerequisite: Business Administration 51-52; Economics 1-2. Morning. (Also offered 1949 summer term.)
- 145 Cost Accounting (3)

 Job order and process systems of cost findings, interrelation of the cost records and the general accounts, standard costs, distribution costs, Prerequisite: Business Administration 51-52. Morning. (Also offered 1949 summer term.)

 Business Administration 145x—same as Business Administration

151-52 Intermediate Accounting (3-3) The Staff
Partnerships, corporations, funds, reserves, depreciation, and valuation.
Prerequisite: Business Administration 51-52. Morning and evening sections. (Also offered 1949 summer term.)

145, but offered winter term. Evening.

- 153 Advanced Accounting (3)

 Consolidated statements, liquidations and receiverships. Prerequisite:
 Business Administration 151-52. Morning and evening sections.
 (Also offered 1949 summer term.)
- 154 Professional Accounting Review (3) Lewis, Jones Review and coordination at a professional level of the principles and techniques developed in the accounting curriculum. Prerequisites: Business Administration, 145, 153, 157, 165, and 132 or 160. Morning and evening sections.
- Technique of analyzing financial statements (3) Kennedy, Steele Technique of analyzing financial statements for the guidance of operating executives, directors, stockholders, and creditors; valuation of balance sheet items; determination and interpretation of ratios. Prerequisite: Business Administration 51-52. Morning. (Also offered 1949 summer term.)

Business Administration 155x—same as Business Administration 155, but offered winter term. Evening.

- Tax problems which confront business enterprise: income, capital stock, pay roll, and excise taxes. Prerequisite: Business Administration 51-52. Morning and evening sections. (Also offered 1949 summer term.)
- 158 Federal Taxation Problems (3) Boyd, Jones Contemporary tax problems; preparation of income tax returns and of briefs for filing with United States Treasury Department. Prerequisite: Business Administration 157. Morning and evening sections.
- 160 Federal Accounting (3)

 Accounting problems of federal government. Appropriation accounts, encumbrances, fund accounting. Prerequisite: Business Administration \$1-52. Evening.

Owens, Byrne
Duties and responsibilities of the auditor, principles and procedures in
making audits, arrangement of working papers and the preparation of
reports. Prerequisite: Business Administration 151-52. Evening. (Also
offered 1949 summer term.)

Business Administration 165x—same as Business Administration 165, but offered winter term, Morning.

- Organization of the sales department, sales planning and forecasting quotas, territories, performance standards, and analysis and control of distribution costs. Morning. (Also offered 1949 summer term.)
- 169 Advertising (3)
 Advertising as a function of marketing and merchandising; evaluation purchase, criticism, and control of advertising; uses and limitations of advertising as a tool of management. Evening. (Also offered 1949 summer term.)
- A survey of marketing, giving particular attention to emsumption, retailing, wholesaling, and sales management; the entire marketing structure and its relation to the total economy. Prerequisite: Economics 1-2. Morning. (Also offered 1949 summer term.)

 Business Administration 171x—same as Business Administration 171. but offered winter term. Evening.
- 172 Marketing Problems (3)

 Marketing principles applied to specific distribution policy and operating problems of retailers, wholesalers, and manufacturers handling consumers' and industrial goods. Prerequisite: Business Administration 171. Morning.
- 173x Cooperative Marketing (3)

 Study of cooperatives with respect to principles and objectives, history and theory, legal and financial structure, sales methods and policies, administrative policies and procedures, and public policy.

 Prerequisite: Economics 1-2. Evening.
- Terminology, trade usages and practices, conditions essential to successful trading, economic bases of international trade, obstacles to trade, tariffs, impact of governmental controls on private trade. Prerequisite: Economics 1-2. Evening.
- 176 Exporting and Importing (3)
 Policy and operating questions of foreign trade, financing and documentation of shipments. Prerequisite: Business Administration 175.
- 178 Foreign Markets (3)
 Pattern of world trade by countries and commodities, methods of preparing market surveys, selected regional market analyses. Pre-

- Kennedy 182 Public Utilities (3) Public utility characteristics, organization, management, financing, combinations, and accounting; regulation, valuation, and rate-making are stressed. Prerequisite: Economics 1-2. Morning.
- Kennedy 185 Railroad Transportation (3) Railroad history, organization, regulations, rate-making theory and practice, accounting, securities, and consolidation. Work of Interstate Commerce Commission stressed. Prerequisite: Economics 1-2. Morning.
- 186 Motor, Air, and Water Transportation (3) Kennedy History, organization, economics, regulations, and rates of motor, air, and water carriers; coordination of transportation. Prerequisite: Eco-Business Administration 186x—same as Business Administration 186, but offered fall term. Evening.

- Kelso 188 Urban Transportation (3) Local transportation in urban economic development; regulation, finance, operation, and management of transit services; community planning for streets, highways, parking, and traffic control. Evening.
- Tohnson 191 Problems in Retailing (3) Principles and problems in retail merchandising, including markup, inventory valuation, and expense control; service and personnel problems. Evening.
- Lewis 193 Accounting Systems (3) Theory and procedure of designing and installing accounting systems for collecting, recording, analyzing, and presenting accounting data. Prerequisite: Business Administration 145 and 151-52. Evening.
- 199 Controllership (3) The duties, responsibilities, and place of the controller in a business organization; relations of controller to other departments and regulatory bodies; and the controller's relation to price setting and inventories, depreciation policies, internal auditing, expense control and budgeting, and financial reports to management, stockholders, and employees. Prerequisite: Business Administration 51-52. Morning.

THIRD GROUP

- 215 Corporation Financial Problems (3) Kennedy Financial practice in promotion, consolidations and mergers, capital structure adjustments, and reorganizations. Evening. (Also offered 1949 summer term.)
- 216 Seminar in Business Finance (3) Kennedy
- 251-52 Seminar in Accounting (3-3) Evening.

- 260 Advanced Federal Accounting (3)

 Advanced principles and practices in federal accounting relationship to general policy and administration. Evening.
- 281-82 Business Policy (3-3)
 Evening.

 Jessup
- 291-92 Seminar in Business Administration (3-3) Kennedy Evening. (Also offered 1949 summer term—Business Administration
- 299-300 Thesis (3-3) The Staff

CHEMISTRY

Colin Mackenzie Mackall, Ph.D., Professor of Chemistry
Benjamin Douglass Van Evera, Ph.D., Professor of Chemistry
Samuel Nathaniel Wrenn, Ph.D., Professor of Chemistry
Charles Rudolph Naeser, Ph.D., Professor of Chemistry, Executive
Officer

Stephen Brunauer, Ph.D., Professorial Lecturer in Chemistry
William Bultman Holton, Ph.D., Professorial Lecturer in Chemistry
Robert Corbin Vincent, Ph.D., Associate Professor of Chemistry
Reuben Esselstyn Wood, Ph.D., Assistant Professor of Chemistry
William Frederick Sager, Ph.D., Assistant Professor of Chemistry
Daniel Remsen Norton, Ph.D., Assistant Professor of Chemistry
James Willard Harkness, B.S., Ed.M., Assistant Professor of Chemistry
John Farago, Ph.D., Lecturer in Chemistry
Theodore Peter Perros, B.S., Instructor in Chemistry

The Major in Chemistry (Departmental).—Prerequisite: Chemistry 11-12, 21 and 22; Mathematics 19 and 20; Physics 5, 6, 7, and 8. Required: Chemistry 111-12, 122, 151-52, and 135 or 155 (two credit hours). The work of the junior and senior years must be approved by the Department. The German language is strongly recommended for all majors, and is essential for all students doing graduate work.

Requirements for the Master's degree.—In addition to the requirements for the Bachelor's degree: Chemistry 131-32, 193, 211-12, 251-52, 299-300, and the program must include at least four credit hours of laboratory courses. A reading knowledge examination in French or German (German preferred) must be passed before the second half of the work is started.

Registration.—Before completing registration each student must obtain from the representative of the Department an assignment to lecture, recitation, and laboratory sections.

FIRST GROUP

†11-12 General Chemistry Van Evera, Naeser, Harkness

(4-4)
Chemistry 11-12 is an elementary course in General Chemistry. Prerequisite: one year of high school algebra. Laboratory fee, \$12 a
term. Lecture (2 hours); laboratory (4 hours); recitation (1 hour)
—morning, afternoon, and evening sections. (Also offered 1949 summer term.)

Chemistry 11x-same as Chemistry 11, but offered winter term.

Morning, afternoon, and evening sections.

Chemistry 12x—same as Chemistry 12, but offered fall term. Afternoon and evening sections.

21 Qualitative Inorganic Analysis (4)

Theoretical and practical study of methods of separating and identifying the more common cations and anions using semi-micro techniques. Prerequisite: Chemistry 12. Laboratory fee. \$12. Lecture (2 hours); laboratory (6 hours)—morning, afternoon, and evening sections. (Also offered 1949 summer term.)

Chemistry 21x—same as Chemistry 21 but offered winter term. Lecture—afternoon and evening sections; laboratory—morning, afternoon, and evening sections.

22 Quantitative Inorganic Analysis I (4)

Theory and practice of quantitative analysis by typical volumetric and gravimetric procedures. Prerequisite: Chemistry 21. Laboratory fee, \$15. Lecture (2 hours)—morning and evening sections; laboratory (6 hours)—morning, afternoon, and evening sections. (Also offered 1949 summer term.)

SECOND GROUP

- †111-12 Physical Chemistry (5-5)

 Introduction to physical chemistry. Prerequisite. Chemistry 22 and 152; Mathematics 20; Physics 8. Laboratory fee, \$12 a term. Lecture (3 hours)—morning, and evening sections; laboratory (6 hours—afternoon, evening, and Saturday sections.
 - A continuation of Chemistry 22 including the theory and practice of more complex materials. Prerequisite: Chemistry 22. Laboratory tory (6 hours)—morning, afternoon, and evening sections; laboratory (6 hours)—morning, afternoon, and evening sections.
- †131-32 Inorganic Chemistry (2-2)

 Application of modern chemical theories to inorganic substances and descriptive chemistry of the more common elements. Prerequisite:

 111-12. 1949-50 and alternate years, evening: 1950-51 and alternate years, morning.
- Application of the technique of inorganic chemistry to the preparation and purification of a list of selected substances. Prerequisite:

 Chemistry 152. Prerequisite or concurrent registration: Chemistry (Also offered 1949 summer term.)

 Chemistry 135x—same as Chemistry 135, but offered winter term.
- Chemistry of the compounds of carbon. Credit is not given for Chemistry 151 until Chemistry 152 is completed. Prerequisite: Chemistry 21. Chemistry 151.—Laboratory fee, \$6. Lecture (3 ing, afternoon, and evening sections: Chemistry 152.—Laboratory

fee, \$12. Lecture (2 hours)—morning and evening sections; laboratory (6 hours)—morning, afternoon, and evening sections. (Also offered 1949 summer term.)

- The synthesis of organic compounds and the application of the technique of organic chemistry to the preparation of pure compounds, using larger amounts and greater refinements than in Chemistry 151-52. Prerequisite: Chemistry 22 and 152. Laboratory fee, \$8 a credit hour. Time to be arranged. (Also offered 1949 summer term.)

 Chemistry 155x—same as Chemistry 155, but offered winter term.
- The identification of pure organic compounds, the separation of mixtures, and the identification of their components. Prerequisite: Chemistry 22 and 155. Laboratory fee, \$15. Laboratory (6 hours). Time to be arranged.
- 191 History of Chemistry (2) Mackall
 The development of chemistry, and the biographies of eminent contributors to the science. Prerequisite: Chemistry 22 and 152. Saturday morning.
- 193 Chemical Literature (1) Wrena
 A general course in chemical literature with reference work and reports. Prerequisite: Chemistry 22 and 152; prerequisite or concurrent registration: Chemistry 111-12. Evening.
 Chemistry 193x—same as Chemistry 193, but offered winter term.
 Morning.

THIRD GROUP

- 203 Chemical Kinetics (2)

 The rates of chemical reaction and the factors influencing them. Prerequisite: Chemistry 112. Evening.
- 204 Catalysis (2)
 Prerequisite: Chemistry 203. Evening.

 Brunguer
- Development and application of the principles of thermodynamics and the kinetic theory to chemical problems. Prerequisite: Chemistry 112. 1949-50 and alternate years, evening: 1950-51 and alternate years, morning.
 - An introduction to classical and quantum statistics designed to acquaint the student with the basic principles and application of the method. Prerequisite or concurrent registration: Chemistry 212, of permission of instructor. Evening.

- A general survey of the theory and practice of analytical chemistry. This course will include a study of selected gravimetric and volumetric procedures, the determination of the less familiar elements, the analysis of steel, the ultimate analysis of organic compounds, and gas analysis. Prerequisite: Chemistry 22 and 122. Laboratory fee. \$8. Lecture (2 hours)—1949—50 and alternate years, morning: 1959—51 and alternate years, evening. Laboratory (3 hours)—time to be arranged.
- Advanced Analytical Chemistry and Instrumental Analysis (3)

 A theoretical and practical study of physico-chemical methods of analysis, including the following: spectrophotometry, spectrography, mass spectrometry, X-ray crystallography, radio chemistry, electrometric titrations, and polarography. Prerequisite: Chemistry 22 and 122. Laboratory fee, \$8. Lecture (2 hours)—1949-50 and alternate years, morning; 1950-51 and alternate years, evening. Laboratory (3 hours)—time to be arranged.
- Ouantitative Organic Analysis (3)

 Micro and semi-micro procedures. Prerequisite: Chemistry 122 and 152; permission of the instructor. Laboratory fee, \$12. Time to be
- †231-32 Advanced Inorganic Chemistry (2-2)

 The chemistry of the less familiar elements. Prerequisite: Chemistry

 132 and 152. Evening.
- 233-34 Radiochemistry (2-2)

 The preparation, properties, and uses of radioactive isotopes, both Offered in 1950-51, evening.

 Holton 131-32.
- 251-52 Advanced Organic Chemistry (3-3)

 The syntheses, reactions, and properties of carbon compounds: the fundamental theories of organic chemistry. Prerequisite: Chemistry 193: 1949-50 and alternate years, morning. 1950-51 and alternate years, evening.
 - A critical study of the reactions employed in the synthesis of organic compounds. Prerequisite: Chemistry 251. Time to be arranged.
 - 254 Stereochemistry (2)
 The stereochemistry of organic compounds. Prerequisite: Chemistry
 252. Evening.
 - 257 Theoretical Organic Chemistry (3)
 Prerequisite: Chemistry 252. A survey of modern theories of organic chemistry with emphasis on reaction mechanisms. Evening.
 - The chemistry of vitamins and hormones. Prerequisite: Chemistry 251-52. Offered in 1950-51.

291-92 Seminar: Recent Developments in Chemistry (1-1)

The Staff

Individual investigations of special problems. All students registered for a Master's degree in chemistry are expected to attend this seminar during residence for the degree, and to take part in its programs. Credit for participation in the seminar work may be obtained by registering for this course during the last two terms of residence; this credit, however, is based upon the seminar work during the entire period of residence. Alternate weeks, evening.

Research The Staff
Research on problems approved by the staff. Open to qualified students with advanced training. Laboratory fee, \$6 a credit hour.

Time and credits to be arranged. (Also offered 1949 summer term.)

299-300 Thesis (3-3)
Laboratory fee, \$15 a term. Time to be arranged. (Also offered 1949 summer term.)

CIVIL ENGINEERING

Carl Hugo Walther, B.E., M.C.E., Professor of Civil Engineering Bruce Douglas Greenshields, C.E., Ph.D., Professor of Civil Engineering, Executive Officer

Waldo Edward Smith, B.E., M.S. in C.E., Professorial Lecturer in Civil Engineering

Raymond Pugh Eyman, C.E., Associate Professor of Givil Engineering James Joseph Kerley, Jr., A.B. in C.E., Assistant Professor of Civil En-

Haaren Albert Miklofsky, B.C.E., M.Eng., Assistant Professor of Civil

Edgar Stover Walker, B.S. in C.E., Lecturer in Civil Engineering George Francis Strollo, B.S. in C.E., M.C.E., Lecturer in Civil Engi-

Ralph Edward Fuhrman, B.S. in C.E., M.S., Lecturer in Civil Engi-

Moses Freedman, B.S. in Eng., Lecturer in Civil Engineering

William Gammon Hayward, B.S. in C.E., Lecturer in Civil Engineering Alvin Raymond Schwab, B.S., M.S. in Eng., Lecturer in Civil Engineering

Asriel Taragin, B.E., Lecturer in Civil Engineering

David Carl Colony, Jr., B.C.E., Lecturer in Civil Engineering Frank Spaulding Borden, B.C.E., Lecturer in Civil Engineering Mark Kiley, A.M. in Eng., Instructor in Civil Engineering

Minimum requirements for the major. - See pages 111-13.

FIRST GROUP

- 2 Plane Surveying (3) Principles, methods, and instruments used in surveying; with field work. Prerequisite: Trigonometry. Surveying fee, \$8. Lecture (2) hours)-morning, afternoon, and evening sections; field work (3 hours) -- morning and afternoon sections. (Also offered 1949 summer
- 15 Navigation (3) Principles, methods, and instruments used in surface and aerial navigation. Charts, piloting, dead-reckoning, nautical astronomy, position determination. Prerequisite: Trigonometry. (Not offered in 1949-50.)
- 21 Analytical Mechanics: Greenshields and Staff Statics (2)

Composition and resolution of forces; axial stresses; centroids; friction. Prerequisite: Physics 6; prerequisite or concurrent registration: Mathematics 20. Morning and evening sections. (Also offered 1949 sum22 Analytical Mechanics:

Greenshields and Staff

Dynamics (3)
Kinematics of a particle; kinetics of a body in translation, rotation, and plane motion; work and energy; impulse and momentum; simple vibrations. Prerequisite: Civil Engineering 21. Morning and evening sections. (Also offered 1949 summer term.)

- Elements of geodesy, triangulation, topography, hydrography, and precise and trigonometric leveling, with field work. Prerequisite: Civil Engineering 2. Surveying fee, \$8. Lecture (3 hours)—morning and evening sections; field work (3 hours)—afternoon and Saturday morning sections.
- Emphasis on properties and uses of nonmetallic materials such as cements, fuels, and plasties; and metallic materials including steel, copper, aluminum, and alloys. Prerequisite or concurrent registration: Chemistry 12. Morning and evening sections. (Also offered 1949 summer term.)

SECOND GROUP

- 123 Strength of Materials (3) Kerley, Smith Tension, compression, shear, flexure, and torsion; deflection; combined and working stresses. Prerequisite: Civil Engineering 22. Morning and evening sections, (Also offered 1949 summer term.)
- 136 Hydraulics (3)

 Hydratatics: flow through pipes and open channels; laminar and turbulent flow. Prerequisite: Civil Engineering 22. Morning and evening sections. (Also offered 1949 summer term.)
- 140 Materials and Hydraulies Laboratory (2) Kerley
 Determination of the properties of materials by mechanical tests, and
 a study of the flow of fluids. Prerequisite: Civil Engineering 123; prerequisite or concurrent registration: Civil Engineering 26 and 136.
 Laboratory fee, \$6. Laboratory (3 hours)—afternoon and evening
 sections. (Also offered 1949 summer term.)
 Civil Engineering 14 x—same as Civil Engineering 140, but offered
 fall term. Afternoon and evening sections.
- 141 Graphic Statics (3) Miklofsky, Schwab Fundamental principles; analyses of beams; determination of stresses in read transes and framed bents. Prerequisite or concurrent registration: Civil Engineering 123. Drafting-room fee. \$1. Lecture (2 hours)—morning and evening sections; drafting room (3 hours)—afternoon and evening sections. (Also offered 1949 summer term.)
- Determination of stresses in modern types of bridge trusses. Prerequisite: Civil Engineering 141. Drafting-room fee, \$1. Lecture (2 hours)—morning and evening sections; drafting room (3 hours) afternoon and evening sections. (Also offered 1949 summer term.)

- 147-48 Structural Design (2-2)

 Computations and drawings for the design of steel structures. Prerequisite: Civil Engineering 142. Drafting-room fee, \$3 a term.

 Drafting room (6 hours)—afternoon and evening sections.
- Construction (3-3)

 Plain concrete, general properties and theory of reinforced concrete, foundations, and retaining walls. Prerequisite: Civil Engineering 25 and 123. Civil Engineering 149, laboratory fee, \$6; Civil Engineering 150, drafting-room fee, \$1. Lecture (2 hours)—morning and evening sections; laboratory (3 hours)—afternoon and evening sections.
- 151-52 Statically Indeterminate
 Structures (2-2)

 A study of such structures as continuous spans, rigid frames, and arches by methods of work, slope deflection, and moment distribution.

 Prerequisite: Civil Engineering 142. Morning and evening sections.
 - Advanced Mechanics of Materials (3)
 Advanced topics in the mechanics of materials. Stresses at a point, thick cylinders, general bending, torsion, localized stress, and stress concentration. Prerequisite: Civil Engineering 25-26 and 123. (Not
 - Highway Engineering (3) Greenshields, Taragin Highway economics, location, construction, and maintenance. Prerequisite: Civil Engineering 25 and 171. Morning and evening sections.
 - Curves and earthwork, and methods of location as used on railroads and highways; field work; complete highway location. Prerequisite: and evening sections; field work (3 hours)—afternoon and Saturday morning sections.
- 181-82 Water Supply and Sewerage (3-3) Fuhrman Collection, storage, purification, and distribution of water; sewerage systems and treatment of sewage. Prerequisite: Civil Engineering 136; Chemistry 12. Evening.
- 187-88 Engineering Contracts and Specifications Freedman (2-2)

 Contract essentials, types, and legal principles; analysis and preparation of specifications. Prerequisite or concurrent registration: Civil Engineering 25-26. Evening.
- 189-90 Civil Engineering Proseminar Greenshields, Eyman
 (1-1)
 Morning and afternoon sections.

CLASSICAL LANGUAGES AND LITERATURES

John Francis Latimer, Ph.D., Associate Professor of Classical Languages and Literatures, Executive Officer Sylvia Gerber, A.M., Associate in Classical Languages and Literatures

FIRST GROUP

†1-2 First-year Latin (3-3)

Essentials of Latin grammar, prose composition, easy reading selections Morning.

†3-4 Second-year Latin (3-3)

Rapid review of Latin grammar, prose composition, wide variety of rapid reading selections. Evening.

†11-12 First-year Greek (3-3)
Essentials of Greek grammar, prose composition, easy reading selections. Evening.

71-72 Greek and Roman Backgrounds in Literature Latimer (3-3)
A survey in English translation of the principal Greek and Roman authors and their literary influence. Morning.

SECOND GROUP

101-2 Homer's Odyssey (3-3)

Prerequisite: Greek 11-12 or the equivalent. Evening.

109-10 Survey of Roman Literature (3-3) Latimer Morning.

115 Readings in Greek and Roman Philosophy (3) Latimer Extensive selections from the philosophical writings of the principal Greek and Roman authors from Plato to St. Augustine. Evening.

A study of the satirical writings of Theophrastus, Horace, Juvenal, Persius, Martial, Petronius, Lucian, and their literary influence. Evening.

DERMATOLOGY AND SYPHILOLOGY

Harry Ford Anderson, M.D., Professor of Dermatology and Syphilology, Executive Officer

George William Creswell, A.B., M.D., Assistant Clinical Professor of Dermatology and Syphilology

Hayden Kirby-Smith, B.S., M.D., Assistant Clinical Professor of Dermatology and Syphilology

Theodore Claremont Chen Fong, M.D., Associate in Dermatology and Syphilology

James Quincy Gant, Jr., M.S., M.D., Associate in Dermatology and Syphilology

Wendell Melvin Willett, M.D., Clinical Instructor in Dermatology and Syphilology

313-14 Dermatology and Syphilology
Lectures on diseases of the skin and syphilis. One hour a week.

316 Neurosyphilis
Lectures, clinical demonstrations, and practical diagnostic and therapeutic procedures. One hour a week for eight weeks.

317-18 Clinic

Case demonstrations, diagnosis, and treatment of skin diseases and syphilis. Three hours a week. Gallinger Hospital.

407-8 Clinic

Dermatology and syphilology in infants and children. Childrens Hospital. Two hours a week.

409-10 Clinical Clinical demonstration, diseases of the skin. Two hours a week.

411-12 Clinic

Clinical demonstrations, diseases of the skin, and diagnosis and therapy of syphilis. Two hours a week. University Hospital.

Diagnosis, laboratory procedures, and treatment of syphilis. Two hours a week. Southwest Health Center.

ECONOMICS

Arthur Edward Burns, Ph.D., Professor of Economics

Donald Stevenson Watson, Ph.D., Professor of Economics, Executive

James Christopher Corliss, A.M., Adjunct Professor of Inter-American

Economics

Gerhard Colm, Dr. rer. pol., Professorial Lecturer in Economics
Ralph Aubrey Young, M.B.A., Ph.D., Professorial Lecturer in Economics

Edward Campion Acheson, Ph.D., Associate Professor of Finance Paul Edward Hanchett, Ph.D., Assistant Professor of Economics Albert Raymond Miller, Jr., A.M., Assistant Professor of Economics Edwin Medbery Fitch, Ph.D., Lecturer in Economics Grover William Ensley, M.B.A., Ph.D., Lecturer in Economics Margaret Marie Garritsen, Ph.D., Lecturer in Economics George Jaszi, Ph.D., Lecturer in Economics

The major in Economics (Departmental).—Prerequisite: Economics 1-2. Required: (1) Economics 101 and three additional credit hours in economic theory (courses numbered 100-109); (2) six credit hours in each of three of the four following groups: finance (courses numbered 120-29), labor (courses numbered 140-49), government and economic policy (courses numbered 160-69), and international economics (courses numbered 180-92); (3) Statistics 111-12, and nine credit hours of other second-group courses selected from the following departments—Business Administration, History, Philosophy, Political Science, Sociology, and Statistics.

The major in Latin American Civilization and Culture (Field-of-Study).—
The major, administered under the field-of-study plan, includes the political and social history, the economic development, the governmental structure and international relations, the principal literary works and writers, and a reasonable acquaintance with the spoken language of the Latin American republics. The Department of Economics provides a proseminar (Economics 193-94) intended to assist the student in preparing himself for the major examination. For further details, see the pamphlet, which is available in the Office of the Dean of Columbian College.

FIRST GROUP

1-2 Introductory Economics* (3-3)

Survey of the major economic institutions and economic problems in contemporary society. Economics 1 is prerequisite to Economics 2.

Morning, afternoon, and evening sections. (Also offered 1949 summer term.)

Economics 1x—same as Economics 1, but offered winter term.

Morning and evening sections.

Economics 2x—same as Economics 2, but offered fall term. Morning and evening sections.

[•] Economics 1-2 is prerequisite to all other courses in economics.

SECOND GROUP *

- IOI Economic Theory (3)

 Introduction to formal economic theory; advanced analysis of demand, supply, and price relations. Morning and evening sections.

 (Also offered 1949 summer term.)

 Economics 101x—same as Economics 101, but offered winter term.

 Morning and evening sections.
- Economic doctrines since the mercantilist writers; the history of the major schools of thought; influence of changing problems on theory.

 Morning. (Also offered 1949 summer term.)
- Analysis of strategic factors in economic instability and economic retardation; survey of recent business-cycle theories. Morning.

 Economics 105x—same as Economics 105, but offered winter term.
- The Mational Income (3)

 The measurement, composition, and determinants of the national income.

 Evening.
- 109 Distribution Theory and Welfare Economics Miller
 (3)
 Advanced economic theory with emphasis on income distribution and the literature on welfare economics. Prerequisite: Economics 101 or the equivalent.
 Summer term 1949.
- Money and Banking (3-3)

 Money, bank credit, and prices; commercial and investment banking:
 banking systems; historical development of banking; government and
 banking; functions of money and banking. Morning and evening sections. (Also offered 1949 summer term.)
 - 123 Monetary Theory (3)

 The development of monetary theory; principal contemporary approaches; theoretical background of recent monetary policy. Morning.
 - 126 Foreign Exchange and International
 Finance (3)

 Theory and practice of foreign exchanges; the gold standard and international finance during the nineteenth century; war and postwar exchange problems. Prerequisite: Economics 121-22. Morning.
 - 141 Labor Economics (3)
 Labor problems: wages, hours, and working conditions; growth of labor organizations; types of unions; union tactics and programs.

 Miller

 Morning and evening sections.
 - Labor legislation; labor and the courts; federal regulation of capitallabor relations; the work of federal labor boards. Morning and evening sections.

[•] Economics 1-a is prerequisite to all other courses in economics.

- 144 Labor Movements (3)
 Survey of growth and types of labor unions, development and problems of collective bargaining. (Not offered in 1949-50.)
- 146 Economic Security and Social Insurance (3) Hanchett Economic and social problems of unemployment; analysis of the federal social security program; survey of the Beveridge and other plans.

 Summer term 1949.
- 161-62 Public Finance and Taxation (3-3)

 General survey of government expenditures, sources and methods of taxation, economic effects of expenditures and taxes, and of government debt policies. Late afternoon. (Also offered 1949 summer term—Economics 161 (3).)
 - 165 Government Control of Economic Activity (3) Watson Changing role of government in promoting and regulating economic activity; types and spheres of control. Morning.
 - 166 Comparative Systems of Economic Reform (3) Watson Critical analysis of the major theories of economic and social reformwith special attention to their origins and backgrounds.

 Summer term 1949.
 - 167 Economics of Planning (3)

 Analytical comparison of economic systems coordinated by market price with those coordinated by central authority. (Not offered in 1949-50.)
- ISI-82 International Economics (3-3)

 Survey of world economics; basic factors; resource controls; international trade; industrial, financial, and monetary processes and policies; relation to internal economic systems. Afternoon and evening sections. (Also offered 1949 summer term.)
 - 183 Tariffs and Commercial Treaties (3) Coogan
 Origins and types of modern foreign commercial policy, in the light
 of evolving doctrines; forms and economic effects of tariffs and other
 measures, and of international commercial accords. Evening.
 - 184 The New Foreign Economic Policies (3) Coogan
 The new types of foreign trade and exchange controls and agreements:
 causes, growth, and techniques. Evening.
- 185-86 Economic History and Problems of South

 America (3-3)

 Economic development of South America (excluding Colombia and Venezuela). Particular emphasis on economic developments and problems since the First World War. 1950-51 and alternate years, evening.
- 187-88 Economic History and Problems of the Corliss

 Caribbean Area (3-3)

 Economic developments of Colombia, Venezuela, Mexico, and the Central American and Waster Indiana.

Economic developments of Colombia, Venezuela, Mexico, and the critical American and West Indian republics. Particular emphasis on economic developments and problems since the First World War. 1949-50 and alternate years, evening.

193-94 Proseminar in Latin American Civilization Corliss
and Culture (3-3)
Coordination and review course. Open only to candidates majoring in Latin American Civilization and Culture. Time to be arranged.

198 Readings in Economics (3)

Comprehensive survey of economics. Open only to students whose major is economics and who are in their last term. Time to be arranged.

Economics 198x—same as Economics 198, but offered fall term.

THIRD GROUP

201-2 History and Literature of Economic Thought

(3-3)

Critical analysis and interpretation of the development and the literature of economic thought; origins and problems of the major types of theory; their relation to present problems and policies. Eve-

203 Partial Equilibrium Theory (3)
The contributions of Marshall, Chamberlin, and Robinson. Evening.

204 Contemporary Economic Theory (3)
Intensive analysis of Hicks' Value and Capital. Prerequisite: Economics 201-2. Evening.

205 Business Cycle Theory (3)
The contributions of the pre-Keynesian writers. (Not offered in

206x Theory of Employment and Income (3) Miller
Analysis of several types of current business-cycle theories; recent
works of Keynes and others. Evening. (Also offered 1949 summer

The National Income (3)
The theory of economic aggregates; policy aspects of national income.

Evening.

209 Readings in the History of Economic Burns
Thought (3)
Research in special problems in the history of economics. Prerequisite: Economics 201-2. Evening.

The nature of economic theory; relations of economics to philosophy and other disciplines. (Not offered in 1949-50.)

211 Readings in Advanced Economics (3) The Staff
Integration and coordination of advanced economic theories. Evening.

223 Monetary Policy and Problems (3)

The money system in its relation to national income and to the national debt. Policy issues, Evening.

- 224 Central Banking (3)
 The Federal Reserve and other central banking systems. Evening.
- 225 Economic Stabilization Policies (3)
 Appraisal of economic policies directed towards the stabilization of the economy, with special attention to the problem of full employment. (Not offered in 1949-50.)
- 241 Labor Economics (3)

 Analysis of labor problems, with special reference to labor organizations; intensive study of federal regulation and participation in capital-labor relations. Evening.
- 244 Labor Relations (3)

 The collective bargaining contract and the elements comprising it:
 analysis of the policies of labor and of management. Evening.
- 260 Theory of Public Finance (3)

 Survey of the literature on public finance, with special attention to controversial issues.

 Summer term 1949.
- 261-62 Public Finance and Fiscal Policy (3-3) Colm Survey of the major contributions to the theory and doctrines of public finance. Special problems: deficit financing; current tax problems; and federal, state, and local financial relationships. Evening.
 - The nature, forms, methods, and objectives of economic policy; the relation of economic theory to economic policy. Evening.
 - 266 Problems of Governmental Economic Policy (3) Ensley
 The execution of economic policies as they are affected by the processes of government. Evening.
 - 281 Theories of International Economics (3) Garritsen Examination and critique of mercantilism, classical international equilibrium analysis, and other schools of world economic thought. Evening.
 - 282 The Balance of International Payments (3) Garritsen Structure and theories of the balance; money and foreign exchange and interrelationships of trade, gold flows, capital movements, etc.; the balance and foreign economic policy formulation. Evening.
- 285-86 Public and Private Finance in Latin America Corliss
 (3-3)
 Corporate finance, banking, and capital movements in Latin America;
 fiscal problems; public debt, deficit financing, taxation, public expenditures; foreign-exchange controls and problems. A reading knowledge of Spanish or Portuguese is required. Evening.
- 287-88 Economic Problems of Latin America (3-3) Corliss Foreign trade and foreign commercial policy; growth of industry and agriculture; government control of economic activity; recent economic trends and problems. (Not offered in 1949-50.)

- 289 Problems in International Financial Policy

 Acheson
 (3)

 Analysis of the issues confronting the International Monetary Fund and the International Bank for Reconstruction and Development.
- 290 Problems in International Economic Policy Acheson
 (3)
 Exchange stabilization; issues confronting the International Trade
 Organization. Evening.
- 297-98 Thesis (School of Government majors) (3-3) The Staff
 299-300 Thesis (3-3) The Staff

EDUCATION

James Harold Fox, A.M., Ed.D., Professor of Education, Execution

Burnice Herman Jarman, A.M., Ed.D., Professor of Education
William Cullen French, Ph.D., Professor Emeritus of Education
Residence

Meredith Chester Wilson, B.S., Adjunct Professor of Education
Ruth Coyner Little, Ph.D., Professorial Lecturer in Education
Ray LaForest Hamon, Ph.D., Professorial Lecturer in Education
*Benjamin Franklin Kyker, A.M., Professorial Lecturer in Education
Charles Edward Bish, A.M., Ed.D., Professorial Lecturer in Education
Henry Fred Alves, A.M., Professorial Lecturer in Education
Frederick Barton Tuttle, Ph.D., Professorial Lecturer in Education
Robert Floyd Cromwell, Ed.D., Professorial Lecturer in Education
Robert Wendell Eaves, A.M., Ed.D., Professorial Lecturer in Education
Ivan Albert Booker, Ph.D., Professorial Lecturer in Education
Blake Smith Root, A.M., Ed.D., Associate Professor of Education
Ralph Windsor Ruffner, A.M., Ed.D., Associate Professor of Education
Jane Frost Hilder, A.M., Lecturer in Education, Director of Reading
Clinic

Madaline Kinter Remmlein, Ph.D., J.D., Lecturer in Education LuVerne Crabtree Walker, A.M., Lecturer in Education *Helen Barton Goodwin, A.M., Lecturer in Education Camilla Painter Luecke, A.M., Lecturer in Education Florence Mary Lumsden, A.M., Ed.D., Lecturer in Education William Samuel Rumbough, A.M., Lecturer in Education Cannon Chiles Hearne, A.M., Lecturer in Education Harold Maurice Wilson, A.M., Lecturer in Education Juanita May Winn, A.M., Lecturer in Education Joseph Bueol Johnson, A.M., Ed.D., Lecturer in Education James Herrick Hall, A.M., Lecturer in Education Marie Marguerite Neeb, A.M., Clinician, Reading Clinic

CONSULTANT IN RESEARCH

John Robert Ludington, Ph.D., Specialist, Industrial Arts, Secondary Division, Office of Education

Minimum requirements for the degrees.—See pages 130, 134-37.

[&]quot; On leave of absence 1949-50.

SECOND GROUP

For the general student as well as the prospective teacher. Fall term: nature of learning and teaching approached through the study of actual classroom situations. Winter term: the principles and practices of good teaching. Lecture (2 hours)—morning and evening sections; field work (2 hours)—to be arranged. (Also offered 1949 summer term—Hall.)

ve

- 115 Elementary School Classroom Procedures
 (3)
 Determination of children's needs and interests, providing for individual differences, evaluation of classroom practices.
 Summer term 1949 (Walker, Winn).
- For the general student as well as the prospective teacher. Fall term: the local, national, and international roles of education; cooperation of the school with other community agencies. Winter term: organization and operation of schools; principles and functions. Lecture (2 hours)—morning and evening sections; field work (2 hours)—to be arranged. (Also offered 1949 summer term.)
- 123-24 Reading Problems (3-3)
 A clinical approach to reading difficulties on elementary and secondary school levels. Saturday morning.
 - Study of levels, needs, materials, and corrective methods.

 Summer term 1040.

 Hilder
 Demonstrations and observations with clinic cases.
 - Course, unit, and lesson planning; homeroom procedures; discipline, clerical routines; activity sponsorship; committee procedures; public relations duties. Lecture (3 hours)—late afternoon.
- 133-34 Observation and Practice Teaching (6)

 Education 134. practice-teaching fee, \$8 a credit hour. Admission by permission of the instructor. Time to be arranged individually.

SPECIAL METHODS COURSES

To be elected in the senior year after substantial preparation in the teaching fields concerned. Course requirements and hours of credit vary with license requirements. Practices of successful teachers are studied and actual teaching content as found in current texts and courses of study is reviewed.

- 136 Teaching English (2 to 4)
 Lecture (2 hours)—evening; field work (2 hours)—to be arranged.
- 138 Teaching Social Studies (2 to 4) Root
 Lecture (2 hours)—evening; field work (2 hours)—to be arranged.
- 140 Teaching Mathematics (2)

 Time to be arranged.

 Weida

141-42 Teaching Art (3-3) (Not offered in 1949-50.) Goodwin

- 144 Teaching Science (2 to 4)

 Lecture (2 hours)—late afternoon; field work (2 hours)—to be arranged.

 Rumbough

 Rumbough
- 146 Teaching Foreign Languages (2 to 4) Doyle, Keating
 Time to be arranged.
- 148 Teaching Home Economics (2) Kirkpatrick
 Time to be arranged.
- 150 Teaching Secretarial Studies (2)
 Time to be arranged.

THIRD GROUP

General principles and practices of curricular development; modern trends and procedures of improvement; group consideration of student problems. Evening.

209-10 Child Growth and Development (3-3)

Basic factors in human growth and development and their relation to learning and teaching. Related practical experience in studying children; class analyses of procedures and results. Saturday morning.

Nature, functions, and techniques. Evening. (Also offered 1949 summer term.)

Jarman

213-14 History of Education (3-3)

Fall term: the European backgrounds of American education. Winter term: the evolution of the American school system. Evening.

215-16 Seminar: Great Teachers in American

Education (3-3)

A study of great teachers from the colonial period to the present. An attempt will be made to find out the qualities and characteristics that have made these teachers great. Evening.

217-18 Contemporary Problems in Education (3-3) Jarman Fall term: designed to help students formulate a personal philosophy of education. Winter term: a study of the forces that shape the policies and offerings of the school. Evening. (Also offered 1949 summer term—Education 217 (3).)

Review of recent literature and practices; particular attention to Education for All American Children, the recent report of the Educational Policies Commission.

Summer term 1949.

Summer term 1949.

221-22 Seminar: Early Childhood Education (3-3)

Fall term: home backgrounds, nursery school, and kindergarten situations. Winter term: primary grades. (Not offered in 1949-50.)

- 224 Newer Developments in Children's Literature Walker
 (3)
 Exploring and evaluating the newer books for children and the children's classics; understanding the contribution of literature in child development; appreciating children's original expressions; surveying resources in the field. (Not offered in 1949-50.)
- 225-26 Seminar: Elementary Education in the Intermediate Grades (3-3)
 A comprehensive study of the major problems of the intermediate grades. Evening.
- Fall term: discussion of fundamental issues in the light of their historical development, parallel situations in other countries, and current proposed solutions. Winter term: relationships of developments in each instructional area to the fundamental issues. Saturday morning.
 - 230 Administration of Elementary Education (3)
 The principal as a school and community leader. Problems of supervision, course of study development, parent relations. Evening.

 (Also offered 1949 summer term—Tuttle.)
 - 231 Secondary School Classroom Procedures (3) Bish, Root Survey of current classroom practices with particular attention to teaching aids; reviews of recent literature. Evening. (Also offered 1949 summer term.)
 - Selection and use of audio-visual aids; management of materials and country.—Saturday morning. (Also offered 1949 summer term—Education 233x—same as Education 233, but offered winter term.—Saturday morning.
- 247-48 Vocational Education (3-3)
 Major issues, problems, and trends. Evening.
 - Scope; needs; organization of the program; services to students, the instructional staff, and the administration; personnel needed for the program. Evening. (Also offered 1949 summer term.)
 - 254 The Junior High School (3)

 Purposes: organization: core programs; guidance; developing courses of study; extra-classroom activities. Evening. (Also offered 1949)
- Fall term: review of recent literature and practices; particular attention to Education for All American Youth, the recent report of the Society, Harvard Committee.

 of the subject-matter fields. Saturday morning. (Also offered 1949)

259-60 Secondary School Management (3-3) Fox Management planning, execution, and control; criteria of good management; construction of the master schedule; leadership problems incident to the development of new policies and programs. Evening.

263-64 Employee Training (3-3)
Organization and administration of employee-training programs in accordance with operating needs; orientation, supervisory, and skills training; coordination of training with other personnel functions; evaluation of training. Field work is required. Evening.

271 The American School System (3) Fox Organization of public education; sources of school revenue; influences of national and state agencies; local administrative units; the chief legal controls; criteria of building administration; responsibilities of teachers. Saturday morning. (Also offered 1949 summer term-Booker.)

272 The Teacher and School Supervision (3) Fox Nature, organization, human relationships, and techniques. Evening. (Also offered 1949 summer term.)

273-74 Administration of a School System (3-3)
A comprehensive survey of the management problems of a beginning superintendent; does not anticipate previous experience as a superintendent. (Not offered in 1949-50.)

275 School Finance (3)
Educational financial theory, practice, and control, including methods of financing. Evening.

276 Seminar: Public Relations in School Administration (3)
Purposes; gathering materials; disseminating agencies; publicity media: public participation in policy-making. (Not offered in 1949-50.)

Sources and scope of school law; legal rights and responsibilities of teachers, pupils, and taxpayers. Other legal problems of major interest to the group. Evening.

Fall term: nature, extent, and organization of programs in adult education. Winter term: interest, needs, and capacities of adult learners; techniques employed in motivating and directing learning activities. Evening. (Also offered 1949 summer term—Education 280 (3).)

285 Extra-classroom Activities (3)
Home room functions; student self-government, clubs, assemblies, school publications.
Summer term 1949.

287-88 Clinical Study of Reading Problems (3-3)

For advanced students. Diagnostic work under supervision in the Reading Clinic. Admission by permission of the instructor. Saturday morning.

- 291 Planning the School Plant (3)

 Selection of sites; evaluation of existing buildings; utilization of present facilities; adaptation to curricular needs; building, operation, and maintenance problems. Evening.
- 293-94 Research (3-3)

 Individual research under the guidance of a member of the staff. Program and conferences arranged with an instructor.
 - 295 Educational Research Methods and Procedures (3) Fox Required of all Master of Arts candidates following Plan 2. Knowledge of elementary statistics required. Evening. (Also offered in Education 295x—same as Education 295, but offered winter term. Late afternoon.
 - 297 Reading in Education (1)

 To assist those preparing for the comprehensive examination. No credit toward degree requirements. Late afternoon.

 Education 297x—same as Education 297, but offered winter term.

 Late afternoon.
- 299-300 Thesis (3-3)

 Required of all Master of Arts candidates following Plan I. Time to be arranged. (Also offered 1949 summer term.)

ELECTRICAL ENGINEERING

Norman Bruce Ames, M.S., E.E., LL.B., Professor of Electrical Engineering, Executive Officer

Forest Klaire Harris, Ph.D., Professorial Lecturer in Electrical Engineering

Newbern Smith, M.S. in E.E., Ph.D., Professorial Lecturer in Electrical Engineering

William Sutton Carley, M.S. in E.E., Associate Professor of Electrical Engineering

William Dickinson, M.S. in E.E., Assistant Professor of Electrical Engineering

Dwight Edward Shytle, Lecturer in Electrical Engineering
Thomas Alvin O'Halloran, B.E.E., Lecturer in Electrical Engineering
Malcolm Richardson Moore, B.E.E., Lecturer in Electrical Engineering
Ralph Brady, B.S. in E.E., Lecturer in Electrical Engineering
Jerome Addison Lee, B.S. in E.E., Lecturer in Electrical Engineering

Jerome Strauss Antel, Jr., B.S. in E.E., Instructor in Electrical Engineering

George Pida, B.E.E., Associate in Electrical Engineering Donald James Webb, B.E.E., Associate in Electrical Engineering

Minimum requirements for the major.—See pages 111-12, 113-15.

FIRST GROUP

9-10 Elements of Electrical Engineering (3-3) Ames, Lee Electrical Engineering 9: magnetic and electric circuits; direct-current instruments and machines; Electrical Engineering 10: alternating current circuits, instruments, and machines. Prerequisite: Physics 7. Prerequisite or concurrent registration: Mathematics 20. Morning and evening sections. (Also offered 1949 summer term.)

For the student not majoring in electrical engineering. Experiments in direct- and alternating-current circuits, instruments and machinery. Prerequisite: Electrical Engineering 10. Laboratory fee, \$6 a term. Laboratory (3 hours)—afternoon and evening sections. (Also offered 1949 summer term.)

SECOND GROUP

For the student majoring in electrical engineering. A course in measurements and direct-current dynamo laboratory. Prerequisite: Electrical Engineering 9-10. Laboratory fee, 36 a term. Laboratory (3 hours)—afternoon and evening sections. (Also offered 1949 summer term.)

Alternating-Current Circuits (3)

Alternating-current-circuit theory. Extensive consideration is given to harmonic analysis and to the study of harmonics in both single-phase and polyphase circuits. Prerequisite: Electrical Engineering 12. Morning and evening sections. (Also offered 1949 summer term.)

108 Alternating-Current Machinery (3)

Synchronous generators and motors, transformers, and mercury are rectifiers. Prerequisite: Electrical Engineering 107. Morning and evening sections. (Also offered 1949 summer term.)

A continuation of Electrical Engineering 108. Converters, induction motors, single-phase motors. Prerequisite: Electrical Engineering 1 S. Afternoon and evening sections.

Theory of direct-current and alternating-current instruments, briles, and meters. Prerequisite or concurrent registration: Electrical Pages neering 107. Morning and evening sections.

Theory of resonance, linear networks, transmission lines, and filter-Prerequisite: Electrical Engineering 107. Morning and evening sections. (Also offered 1949 summer term.)

Theory of transmission at UHF and VHF frequencies including Maxwell's equations, wave guides, and methods of power generation at these frequencies. Prerequisite: Electrical Engineering 118 and Physics 132. Prerequisite or concurrent registration: Electrical Engineering 142. Morning and evening sections.

A laboratory course associated with Electrical Engineering 118. Labtions. (Also offered 1949 summer term.)

A laboratory course associated with Electrical Engineering 119. Prerequisite: Electrical Engineering 120. Laboratory fee, So. Laboratory (3 hours)—afternoon and evening sections.

125-26 Principles of Electric Power Transmission
(2-2)

Mechanical and electrical characteristics of transmission lines, approximate and rigorous solutions by means of hyperbolic functions, steady-state and elementary transient considerations, the more important phases of distribution of electrical energy. Prerequisite: Electrical Engineering 107. Evening.

A continuation of Electrical Engineering 105-6, with experiments on alternating-current circuits, instruments, and machinery. Prerequitaboratory (3 hours)—afternoon and evening sections. (Also offered 1949 summer term.)

- Theory and practice of modern direct- and alternating-current railways. Prerequisite: Electrical Engineering 10. Evening.
- 138 Industrial Electrical Power Applications (2)
 The characteristics of the various types of electrical motors and other power appliances and the principles governing their applications in industry. Prerequisite: Electrical Engineering 10. (Not offered in 1949-50.)
- 139 Illumination Engineering (2) Antel Principles and practices in present-day illumination engineering. Prerequisite: Electrical Engineering 10. Evening.
- Principles of design, with reference to materials of construction and electrical equipment. Practical exercises are assigned in connection with classroom work. Prerequisite: Electrical Engineering 109. Lecture (2 hours); laboratory (3 hours)—morning and evening sections.
- 142x Radio-wave Propagation (3) Carley, Smith Theory of the radiation and propagation of electromagnetic waves in space, with consideration of practical application to radio problems. Prerequisite: Electrical Engineering 118. Prerequisite or concurrent registration: Electrical Engineering 119 and Physics 133. Morning and evening sections.
 - 148 Applications of Electronic Devices (3) Carley
 Practical applications of electronic devices such as power supplies,
 voltage regulators, multivibrators, electronic counters, and servomechanism. Prerequisite: Physics 133. Evening.
 - 150 Electronic Devices Laboratory (2) The Staff
 A laboratory course associated with Electrical Engineering 148. Laboratory fee, 36. Evening.
- 189-90 Proseminar in Electrical Engineering (1-1) The Staff Prerequisite: Electrical Engineering 108. Late afternoon.

ENGLISH

Robert Whitney Bolwell, Ph.D., Professor of American Literature Ernest Sewall Shepard, A.M., Professor of English Literature, Executive Officer

George Winchester Stone, Jr., Ph.D., Professor of English Literature
Fred Salisbury Tupper, Ph.D., Professor of English Literature
Calvin Darlington Linton, Ph.D., Professor of English Literature
Charles William Cole, Ph.D., Associate Professor of American Literature

William Lewis Turner, A.M., Associate Professor of English
Robert Hamilton Moore, Ph.D., Associate Professor of English Composition

Averett Howard, A.M., Associate Professor of English Composition
Muriel Hope McClanahan, Ph.D., Assistant Professor of English
James Harold Coberly, A.M., Assistant Professor of American Literature
Martin Steele Day, Ph.D., Assistant Professor of English
Phyllis Annette Nichols, A.M., Assistant Professor of English
Vera Lillian Mowry, A.M., Assistant Professor of English
*John Palmer Reesing, Jr., A.M., Assistant Professor of English
Both Gage Allee, Jr., A.M., Assistant Professor of English
Ruth Elsie Jones, A.B., Instructor in English Composition
Ruth Shryhock Nelson, A.M., Instructor in English Composition
Carlton Ernest Brett, A.M., Instructor in English Composition
Otho Thompson Beall, Jr., A.M., Instructor in English Composition
Leonard Adolph Tropin, A.B., Instructor in English Composition
Alice Sylvia Venezky, A.M., Instructor in English Composition

The major in English Literature (Field-of-Study).—The coordinated knowledge which a student must exhibit in the major in English Literature, and upon which he will be examined at the end of his senior year, is summarized under four general headings: (1) the history of English literature from the Anglo-Saxon period; (2) the chief English writers (a certain familiarity with each man and his main works and a detailed knowledge of Shakespeare); (3) English social and political history as it bears upon or is reflected in the literature; (4) Euroture. It is advised that the student planning to major in English literature elect English 91–92 as his sophomore course. For details, see the pamphlet which is available in the Office of the Dean of Columbian College.

The major in American Thought and Civilization (Field-of-Study).—For details, see the pamphlet which is available in the Office of the Dean of Columbian College and consult the advicer

On leave of absence 1949-50.

ENGLISH COMPOSITION

FIRST GROUP

A English Practice (3)

Instruction, drill, and exercises in grammar, vocabulary, spelling, and mechanics in general; instruction and exercises in composition and reading. This course is designed to prepare students for English 1.

Morning and evening sections. (Also offered 1949 summer term.)

B English for Foreign Students (3)

A course in reading and writing designed to prepare the student for English 1. Special attention is given to spelling, syntax, grammar, idiom, and vocabulary. Evening.

I-2 Freshman English (3-3)

Review of grammar, exercises in composition, readings. Morning, afternoon, and evening sections. (Also offered 1949 summer term.)

English 1x—same as English 1, but offered winter term. Morning, afternoon, and evening sections.

English 2x—same as English 2, but offered fall term. Morning,

afternoon, and evening sections.

9 Sophomore Composition (3) Howard and Staff A study of types of expository writing with weekly exercises. Prerequisite: English 1-2. Morning and evening sections. (Also offered 1949 summer term.) English 9x—same as English 9, but offered winter term. Morning.

Some study of the technique of the short story and class criticism of student writing. Prerequisite: English 1-2. Morning and evening sections. (Also offered 1949 summer term.)

English 10x—same as English 10 but offered fall term. Morning and

evening sections.

SECOND GROUP

115 The Writing of Fiction (3) Writing the short story. Evening.

Howard

Writing a novel. Evening.

Howard

ENGLISH LITERATURE

FIRST GROUP

51-52 Introduction to English Literature

Stone and Staff

A historical survey. Prerequisite: English 1-2. Morning, afternoon, and evening sections. (Also offered 1949 summer term.)

Students registered in English t are tested in the minimum essentials of standard usage, vocabulary, writing skill, and reading speed and comprehension. Those students who show marked superiority may, upon passing of further tests, be exempted from one or both terms of the Freshman English course; those who show deficiencies will be assigned to English A.

English 51x—same as English 51, but offered winter term. Morning and evening sections.

English 52x—same as English 52, but offered fall term. Morning and evening sections.

91-92 Introduction to European Literature Shepard and Staff
(3-3)
Consideration of various types. Prerequisite: English 1-2. Afternoon and evening sections. (Also offered 1949 summer term—English 91 (3).)

SECOND GROUP

- 121-22 English Literature from the Beginnings to

 1500 (3-3)
 Fall term, English literature prior to Chaucer; winter term, Chaucer.

 Prerequisite: English 51-52, 71-72, or 91-92. Morning.
 - The Evolution of Modern Speech (3)

 The development of the English language in a historical treatment of English grammar. Evening.
 - 126 The Appreciation of Literature (3)

 The study of the principles of criticism and their application to various literary types. Evening. (Also offered 1949 summer term.)
- 129-30 Elizabethan Nondramatic Literature (3-3) Tupper
 Nondramatic literature from 1485 to 1603. Prerequisite: English 5152, 71-72, or 91-92. Afternoon. (Also offered 1949 summer term—
 English 129 (3).)
- 135-36 Shakespeare (3-3)
 Prerequisite: English 51-52, 71-72, or 91-92. Evening.

 Tupper
- First half, poetry and prose from 1603 to 1660; second half, Milton. Prerequisite: English 51-52, 71-72, or 91-92. Evening. (Also offered 1949 summer term—English 140 (3).)
- Poetry and prose from 1660 through the mid-eighteenth century. Prerequisite: English 51-52, 71-72, or 91-92. Morning. (Also offered
- From the mid-eighteenth century through Shelley and Keats. Prerequisite: English 51-52, 71-72, or 91-92. Morning.
- Poetry and prose from 1830 to 1900. Prerequisite: English 51-52, lish 161 (3).)

 Shepard

 Shepard

 (Also offered 1949 summer term—Eng-

- 165-66 The Twentieth Century (3-3)

 British poetry, prose, and drama since 1900. Prerequisite: English
 51-52, 71-72, or 91-92. Morning. (Also offered 1949 summer term

 English 165 (3).)
- 181-82 The English Novel (3-3)
 Major English novelists from Richardson to Woolf. Morning.
- Tupper
 The first half is concerned principally with the drama of Shakespeare's contemporaries. The second half is a historical survey from 1665 to the present day. Afternoon. (Also offered 1949 summer term—English 183 (3).)
- 199-200 Proseminar: Readings for the English Stone, Tupper,
 Literature Major (3-3)
 Conferences and group discussions. Afternoon and evening sections.

THIRD GROUP

- 201-2 Methods and Materials in Elizabethan Research (3-3)
 Open only to the graduate student. Admission by permission of the instructor. (Not offered in 1949-50.)
- 222x The Age of Chaucer (3) Stone Summer term 1949.
- 223-24 Old English (3-3)

 English language and literature before 1100. Fall term, Old English grammar and readings; winter term, Beowulf. Evening.
- 235-36 Studies in Shakespeare and His Contemporaries (3-3)
 Prerequisite: English 135-36. Evening.
- 239-40 Studies in the Seventeenth Century (3-3) Linton Prerequisite: English 130-40. (Not offered in 1949-50).
- 241-42 Studies in Neoclassical Literature (3-3) Stone Prerequisite: English 141-42. (Not offered in 1949-50.)
 - 244x Studies in Eighteenth Century Drama (3) Stone Evening.
- 251-52 Studies in the Romantic Movement (3-3)
 Prerequisite: English 151-52. (Not offered in 1949-50.)
- 261-62 Studies in Victorian Literature (3-3)

 Prerequisite: English 161-62. (Not offered in 1949-50.)
- Open to the undergraduate with the approval of the instructor. During 1949-50, English 295 will be offered as 295x in the winter term; English 296 will be offered in the 1949 summer term only. Evening.
- 299-300 Thesis (3-3) The Staff

RELATED COURSES IN OTHER DEPARTMENTS

Classical Languages and Literatures 71-72, Greek and Roman Backgrounds in Literature Education 136, Teaching of English German 221, Introduction to Linguistics

AMERICAN LITERATURE

FIRST GROUP

71-72 Introduction to American Literature Bolwell and Staff
(3-3)
A historical survey. First half: from the beginnings to the Civil War.
Second half: from the Civil War to the present day. Prerequisite:
English 1-2. Morning and evening sections. (Also offered 1949 summer term.)

SECOND GROUP

- 171-72 Studies in American Literature (3-3)

 Major factors in the national cultural tradition as shown by outstanding writers. Prerequisite: English 51-52 or 71-72. Monning
- 173-74 Major American Poets (3-3)

 Advanced critical study of significant writers and movements. First half: from beginnings through nineteenth century. Second half: the twentieth century. Prerequisite: English 51-52, 71-72, or 91-92.
- 175-76 American Drama (3-3)

 Historical and critical study of significant plays and forms. First half: from beginnings through nineteenth century. Second half: the twentieth century. Prerequisite: English 51-52. 71-72, or 91-92. Evening. (Also offered 1949 summer term—English 175 (3).)
- 177-78 American Fiction (3-3)

 Historical and critical study of significant novels and short stories.

 First half: from beginnings through nineteenth century. Second half: the twentieth century. Prerequisite: English 51-52, 71-72, or 91-92.

 Morning. (Also offered 1949 summer term—English 178 Recent American Literature (3).)
- 179-80 Proseminar: Readings for American Thought
 and Civilization Majors (3-3)
 Conferences and group discussions. Evening.

THIRD GROUP

- 271-72 Seminar: American Literature (3-3)
 Prerequisite: English 171-72 or the equivalent. Evening.

 Bolwell
- 279-80 Thesis (3-3) The Staff

GEOGRAPHY

Robert Dale Campbell, A.M., Associate Professor of Geography, Executive Officer

William Franklin Jewell III, M.S., Assistant Professor of Geography William Adriance Withington, A.M., Instructor in Geography

The major in Geography (Departmental).—Prerequisite: Geography 51 and 52. Required: twenty-four credit hours of Geography (which must include Geography 103-4 and 113-14) beyond first group courses; fifteen credit hours in one or more of the following departments: Botany, Geology, Economics, History, or Political Science. Strongly recommended: Botany 1 and 2; Economics 1-2 and History 71-72.

FIRST GROUP

- Campbell 51 Introduction to Geography (3) A study of geography as human ecology; an analysis of the physical and cultural environments, and the relationships that exist between these environments and man. Morning and evening sections. (Also offered 1949 summer term.)
- Campbell, Jewell 52 Introduction to Earth Sciences An introduction to the sciences dealing with the physical earth: the lithosphere, the hydrosphere, and the atmosphere-with special emphasis upon those elements which most directly affect man's adjustment to his physical environment. Morning and evening sections. (Also offered 1949 summer term.)

SECOND GROUP

- Jewell 103-4 Cartography (3-3) Principles of cartographic drafting; map projections; map and chart planning, design, and construction; uses of maps. Prerequisite: Geography 51 and 52. Lecture and laboratory. Morning and evening sections. (Also offered 1949 summer term.)
 - Jewell 113 Geomorphology (3) The nature and evolution of earth forms, with special emphasis upon relief features of North America, Prerequisite: Geography 52. Afternoon.
 - Campbell 114 Weather and Climate (3) Rudimentary atmospheric physics, air mass and frontal weather analysis, regional climatology. Prerequisite: Geography 52. Afternoon.
 - Withington 122 Political Geography (3) The effect of geographic factors upon the structure and growth of states and upon the relations between states. Prerequisite: Geography 51. Morning. Geography 122x-same as Geography 122, but offered fall term.

Morning.

- 123x Economic Geography (3) A study of man's economic activities as adjustments to the physical and cultural environments. Prerequisite: Geography 51. Afternoon. (Also offered 1949 summer term.)
- 125 Trade and Transportation (3) The influence of geographic factors on the forms of transportation and upon trade routes. Prerequisite: Geography 51. 1949-50 and alter-
- 131 Conservation of Natural Resources (3) Principles and problems of conservation of soils, forests, minerals, wild life, and water. Prerequisite: Geography 51 and 52. 1949-50 and alternate years, evening.
- 132 Land Use (3) Principles of utilization of urban and rural land; regional and city planning. Field trips and field problems. Prerequisite: Geography 51 and 52. 1950-51 and alternate years.
- 161 Geography of Soils (3) The physical nature, development, and world distribution of soils; soils and land use; current and future soil problems. Field trips and field problems. Prerequisite: Geography 51 and 52. 1950-51 and
- 171-72 Field Geography (3-3) Field study methods; field analysis of local geographic adjustments, both urban and rural. Prerequisite: Geography 51 and 52. Lecture and field trip (6 hours). Afternoon.
 - 181 Anglo-America* (3) A regional survey of the United States and Canada. 1950-51 and
 - 182 Historical Geography of the United States* (3) Withington A study of the influence of the geographic environment during successive periods of American history. 1950-51 and alternate years.
 - 183 Northwest Europe* (3) 1950-51 and alternate years. Withington
 - 184 Mediterranean Region* (3) 1950-51 and alternate years. Withington
 - 187 Africa* (3) Summer term 1949. Withington
 - 191 Middle America* (3) A study of the lands within the borders of the Caribbean Sea and the Gulf of Mexico, south of the United States. 1949-50 and alter-

Regional Geographic Survey.

192 South America* (3) 1949-50 and alternate years, evening. Withington

195 Eastern and Southern Asia* (3) 1949-50 and alternate years, afternoon.

Withington

196 Southwestern Asia and Soviet Union* 1949-50 and alternate years, afternoon.

Withington

THIRD GROUP \$

201-2 Seminar: History and Philosophy of Geography (3-3) Time to be arranged.

Campbell

215 Geographic Factors in American Foreign Policy (3)

Koenig

Summer term 1949.

218 Regional Planning (3) A survey of national, regional, and local resource utilization pagrams; the history of planning; functions and ends; current techniques. 1949-50 and alternate years, evening.

231 Seminar in Geography (3) Subjects of immediate interest for students of geography and professional geographers in the Washington area. Time to be arranged.

The Staff 295-96 Research (3-3)
Special field or library studies in either systematic or regional geogr raphy. Time to be arranged.

299-300 Thesis (3-3)

The Staff

² Senior major or graduate status is required for registration in any third-group course.

GEOLOGY

—, Associate Professor of Geology —, Instructor in Geology

Minimum requirements for the major (Departmental).—Twenty-four credit hours of geology beyond the first-group courses.

FIRST GROUP

- 5 Field Geology (6)
 Field trips to neighboring localities of geological interest, with classroom study. (Not offered in 1949-50.)
- 21-22 Physical and Historical Geology (3-3)
 Survey course covering the principles of physiography, geology, and mineralogy. (Not offered in 1949-50.)

SECOND GROUP

- 121-22 Paleontology (3-3)
 Lectures and laboratory work on classification and structure of fossil invertebrates, vertebrates, and plants, including their use as guide fossils in stratigraphic geology. (Not offered in 1949-50.)
- 123-24 Regional Geology of North and South

 America (3-3)

 Lectures and map work on the physiographic regions of the Western Hemisphere, stressing the relationship between geology and geography and culture. (Not offered in 1949-50.)
- 125-26 Regional Geology of the Eastern

 Hemisphere (3-3)

 Alternating with Geology 123-24 and with it completing a survey of the world. (Not offered in 1949-50.)

THIRD GROUP

- 215-16 Seminar (3-3)
 Detailed study and presentation by the class and instructor of some phase of geology with review of current literature. (Not offered in 227-28 Research
- 227–28 Research

 Original work on individual problems, including a digest of the published record. (Not offered in 1949–50.)
- 299-300 Thesis (3-3) (Not offered in 1949-50.)

GERMANIC LANGUAGES AND LITERATURES

Edward Henry Sehrt, Ph.D., Professor of German, Executive Officer Gretchen Louisa Rogers, Ph.D., Associate Professor of German Wolfram Karl Legner, Ph.D., Associate Professor of German Walter Julius Mueller, Ph.D., Lecturer in German Nicholas Trephon Cokenias, A.M., Associate in German

Minimum requirements for the major in Germanic Languages and Literatures (Departmental) .- Twenty-four credit hours of German beyond first group courses.

FIRST GROUP

Rogers, Legner, and Staff †1-2 First-year German (3-3) The essentials of German grammar; translation of easy prose. Moming, afternoon, and evening sections. (Also offered 1949 summer term.) German 1x—same as German 1, but offered winter term. Morning-German 2x—same as German 2, but offered fall term. Morning.

Rogers, Legner, and Staff †3-4 Second-year German (3-3) Selections from modern German prose; review of grammar. Prerequisite: German 1-2 or two years of high school German. Morning and evening sections. (Also offered 1949 summer term.)

German 3x—same as German 3, but offered winter term. Morning.

German 4x—same as German 4, but offered fall term. Morning.

SECOND GROUP

Rogers, Legner †101-2 Rapid Readings in Modern German Prose (2-2) Morning and evening sections. Sehrt

†103-4 Goethe's "Faust" (3-3) Time to be arranged.

Sehrt Particularly the works of Goethe and Schiller. (Not offered in †105-6 German Classicism (3-3) 1949-50.)

Rogers, Legner †107-8 Advanced Prose Composition (1-1) Morning and evening sections. Sehrt

109-10 German Drama since 1800 (3-3) Dramas of Kleist, Grillparzer, Hebbel, and Hauptmann. Time to be arranged. Sehrt

Legner

†111-12 The German Romantic Movement (3-3) (Not offered in 1949-50.)

†115-16 Survey of German Literature from the Ninth to the Nineteenth Century (3-3) (Not offered in 1949-50.)

The Staff

†117-18 Survey of German Literature of the Nineteenth and Twentieth Centuries (3-3) Time to be arranged.	Rogers	
†121-22 Conversation and Composition (3-3) Roge Prerequisite: German 3-4 or the equivalent. Morning	rs, Mueller and evening	
†123-24 The German "Novelle und Roman" (3-3) (Not offered in 1949-50.)	Rogers	
†125-26 The German Lyric (3-3) Time to be arranged.	Legner	
THIRD GROUP		
†201-2 Middle High German (3-3) (Not offered in 1949-50.)	Sehrt	
†205-6 Gothic (3-3) Introduction to the comparative study of the German (Not offered in 1949-50.)	Sehrt ic languages.	
†209-10 Old High German (3-3) Evening.	Sehrt	
213-14 Old Norse (3-3) Evening.	Sehrt	
†219–20 Comparative Germanic Grammar (3–3) (Not offered in 1949–50.)	Sehrt	
Linguistics and comparative philology. Admission by p	Sehrt ermission of	
222 Indo-European Languages (3) Application of the laws of sound change in language; or velopment of suffixes and inflections; syntax. (Not offered in the syntax)	C	
T223-24 Sanskrit (2-2)	n 1949-50.)	
Introduction to comparative Indo-European grammar. E	Sehrt vening.	
(3-3)	The Sour	

HEALTH ADMINISTRATION

Daniel LeRay Borden, A.M., M.D., University Surgeon, Director Luther Sheldon, Jr., M.D., University Physician Elizabeth Kahler, A.M., M.D., Associate University Physician Robert Howe Harmon, A.B., M.D., Associate University Physician Ronald Atmore Cox, A.B., M.D., Associate University Physician (Eye) Richard Bernard Castell, A.B., M.D., Associate University Physician Alfred Brigulio, M.D., Associate University Physician David Davis, A.B., M.D., Associate University Physician (Nose and Throat)

Juanita Love, R.N., Nurse Mabel Viola Taylor, R.N., Nurse-Secretary

The University maintains a health service that is primarily diagnostic in its intent. For medical emergencies and health consultations there is, on the Campus. a Student Health Clinic open from 9:00 A.M. to 5:00 P.M., with physician and nurse in attendance. There is also a rest room for women, with a graduate

nurse in charge.

Medical privileges include: (1) the physical examination of every student entering from secondary school; (2) three visits by the University physician of surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board and nursing, in the University Hospital for not more than one week during a school year-the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, one week) is also to be determined by the Director of Health Administration.

This medical benefit does not apply to illness or disability incurred previous to

the University term or prior to payment of tuition fees.

The student is allowed, if he so desires, to engage physicians and nurses of his own choice, but when he does so he will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit of deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) a student who has severed his connection with the University is incluible for medical benefits; (4) a student intending to train for an athletic team is required to pass a thorough examination at the beginning of each term; (5) the above regulations apply also during the summer term of

The University is not responsible for injuries received in inter-collegiate or intra-mural games, or in any of the activities of the physical education departments

ments.

^{*} A charge of \$2 is made by the University if a student fails to appear for a physical examination during the period are for this region of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails to appear for a physical examination of the student fails are student fails and the student fails are student fails are student fails are student fails and the student fails are student fails are student fails are student fails and the student fails are ination during the period set for this purpose.

HISTORY

Elmer Louis Kayser, Ph.D., LL.D., Professor of European History Alva Curtis Wilgus, Ph.D., Professor of Latin American History *Wood Gray, Ph.D., Professor of American History, Executive Officer Howard Maxwell Merriman, Ph.D., Professor of American Diplomatic History

Myron Law Koenig, Ph.D., Professor of American History

H. F. Arthur Schoenfeld, A.M., Professorial Lecturer on European Diplomatic History

Roderic Hollett Davison, Ph.D., Associate Professor of European

Ronald Bettes Thompson, A.B., Assistant Professor of European History Richard Catlin Haskett, A.M., Assistant Professor of American History Richard Marache Leighton, Ph.D., Lecturer in History

The major in History (Field-of-Study).-Prerequisite: History 39-40 and 71-72. The major is centered about the study of the rise, development, and spread, and the continuing challenges of Western civilization, attested by a major examination. Under the guidance of an adviser the student will arrange his program in History to attain a balanced coverage of (1) the rise of civilization in Europe to the eve of the French Revolution, (2) the spread of Western culture through-to the world since the close of the fifteenth century, (3) the historic problems of out the world since the close of the fifteenth century, (3) the historic problems of modern industrial civilization from the beginnings of the Industrial Revolution, and (4) the relations of the major nations of Europe and America in their world setting since the Napoleonic Wars. A six-hour research company world setting since the Napoleonic Wars. A six-hour research seminar to give training in fundamental techniques is a required part of each major's program, and a proseminar (History 199-200) is offered as a means of integrating the student's understanding of the continuity of Western civilization. For details relating to the administration and content of the major, see the pamphlet on this subject, which is available in the offices of the Dean of Columbian College and

FIRST GROUP

39-40 The Development of European Kayser, Davison, Civilization (3-3) Primarily for freshmen. Fall term: the political, social, economic, and cultural history of the Old World from ancient times to 1789. Winter term: from 1789 to the present. Morning and evening sections.

History 39x—same as History 39, but offered winter term. After-

History 40x-same as History 40, but offered fall term. Afternoon.

[•] On sabbatical leave fall term 1949-50.

71-72 The Development of the Civilization Koenig, Haskett of the United States (3-3)

Primarily for sophomores. Fall term: the political, social, economic, and cultural forces of the United States in their world setting from 1492 to 1865. Winter term: from 1865 to the present. Morning and evening sections. (Also offered 1949 summer term.)

History 71x—same as History 71, but offered winter term. Afternoon. History 72x—same as History 72, but offered fall term. Afternoon.

SECOND GROUP *

Fall term: the culture of Ancient World (3-3) Kayser Fall term: the culture of Ancient Greece to the end of the Hellenistic period. Winter term: Roman culture from its beginnings to the fall of the Empire in the West. (Not offered in 1949-50.)

Middle Ages (3)

A historical survey of the culture of Western Europe from the fall of

A historical survey of the culture of Western Europe from the fall of the Roman Empire to the end of the thirteenth century. Morning.

Kayser

the Reformation (3)

Aspects of the development of the modern mind approached through a study of the lives and contributions of outstanding personalities of

the period. Morning.

130x Nationalism (3)
The historical evolution of modern nationalism.

The historical evolution of modern nationalism.
Summer term 1949.

139 Modern Imperialism (3)
Africa and Europe in the nineteenth and twentieth centuries.
Summer term 1949.

Thompson

Main currents in economic, social, and political developments and
world relations. Fall term: from the rise of the Kievan state to the
Revolution of 1917. Winter term: the Soviet period. Morning and
evening sections.

147 Economic History of Europe (3)
A survey from ancient times to the present day. Evening. (Also offered 1949 summer term.)

Itale Oversea Expansion of Europe (3)

International rivalries and the impact of European civilization in Africa and the Pacific basin since 1500, with emphasis on the nine teenth and twentieth centuries. Evening.

149-50 European Diplomatic History (3-3)
Background of the European state system and of diplomatic practices and relations since the Congress of Vienna, with emphasis on the policies and actions of the great powers and their statesmen.

term: to 1871; winter term: since 1871. Morning and evening sections.

(Also offered 1949 summer term—History 150 (3).)

^{*} History 39-40 is prerequisite to courses 109 through 152; History 71-72, to courses 161 through 186.

- 151-52 English History (3-3) A general survey course. Morning and evening sections. Haskett
- 161-62 Latin American History (3-3) Development of political, economic, social, and institutional affairs of the Ibero-American colonies (fall term) and the period since independence (winter term). Evening. (Also offered 1949 summer term.) History 161x-same as History 161, but offered winter term. After-

History 162x—same as History 162, but offered fall term. Afternoon.

- 163-64 Current Latin American Problems (3-3) Wilgus Afternoon.
- 171x-72 Social History of the United States (3-3) Daily life, institutions, intellectual and artistic achievements of the Agrarian Era, 1607-1861, and the Urban-Industrial Era, 1861 to the present time. Morning.
 - 173 Representative Americans (3) A biographical approach to national history. Some fifty significant and pivotal personalities in the development of the United States in government, business, science, religion, journalism, the arts, and social Summer term 1949.
 - 174 Economic History of the United States (3) Main trends in the development of American agriculture, industry, and trade since 1607, with emphasis on tendencies and problems since the Civil War. Evening. (Also offered 1949 summer term.)
- 181-82 Diplomatic History of the United States Merriman Tendencies toward isolation, expansion, and collectivism; disputes with foreign countries and their settlement; and the activities of the American secretaries of state and diplomatic agents. Fall term: to the Civil War; winter term: since the Civil War. Morning and evening
 - 183 Oversea Expansion of the United States (3) The political economic, social, and cultural life of our outlying pos-
 - 184 Canada and the United States (3) The historical background and main trends in the relationship of the two English-speaking peoples of North America. Morning.
- 191-92 Current History (1-1) Contemporary events in their world setting. Afternoon. Kayser
- 199-200 Proseminar: Reading for the History Major (3-3) The Staff Limited to majors in History. Readings and discussions on main trends in the history of Western civilization, including representative selections from the classics of historical literature. Evening. (Also

THIRD GROUP *

	I HIRD GROUP	
	Seminar in Modern Imperialism (3) Oversea rivalries in the nineteenth and twentieth centuric Summer term 1949.	
	Diplomatic History (3-3) Evening.	Schoenfeld
242-44	Reading Course in Modern European History	Davison
~70 11	(3-3) Primarily for graduate students. Time to be arranged. 1949 summer term—History 244 (3).)	(Also offered
245-46	Seminar in Russian History (3-3) Evening.	Thompson
247-48	Reading Course in Russian History (3-3) Primarily for graduate students. Time to be arranged.	Thompson
249-50	Seminar in European Diplomatic History (3-3) Afternoon.	Davison
261-62	Seminar in Latin American History (3-3) Afternoon. (Also offered 1949 summer term—History	Wilgus 262 (3).)
	Reading Course in Latin American History (3-3) Primarily for graduate students. Time to be arranged.	Wilgus
	Seminar in the Social History of the United States (3) Summer term 1949.	C-24
274	Reading Course in American Social History Primarily for graduate students. Time to be arranged.	(3) Gray
275-76	Seminar in American Political and Consti- tutional History (3-3)	Haskett
277-78	Reading Course in British and American	Haskett
	Primarily for graduate students. Time to be arranged.	Merriman
281-83	Seminar in the Diplomatic History of the United States (3-3) Evening. (Also offered 1949 summer term—History 2	
		anu (AC)

[·] Approval of the instructor is required for registration in each third-group course.

- 285-86 Reading Course in the Diplomatic History

 of the United States (3-3)

 Primarily for graduate students. Time to be arranged.
 - 287 Conference Seminar on the Development Schoenfeld of the Foreign Policy of the United States (3)
- 291-92 Seminar (3-3)
 Prerequisite: approval of the Department. Time to be arranged.

 (Also offered 1949 summer term.)
- 299-300 Thesis (3-3)

 Required of all candidates for the Master's degree specializing in history. Time to be arranged. (Also offered 1949 summer term.)

HOME ECONOMICS

Frances Kirkpatrick, A.M., Professor of Home Economics, Executive Officer

Kathryn Mildred Towne, A.M., Associate Professor of Home Economics Minimum requirements for the degree.—See pages 129, 131.

FIRST GROUP

- 1 Food Selection and Preparation (3) Kirkpatrick Composition, selection, and preparation of food; analysis of recipes; standard products; planning, preparing, serving, and estimating the cost of meals. Material fee, \$12.50. Morning and evening sections.
- 22 Clothing: Its Selection, Cost, and Care (3) Towner Clothing selection—the economic, aesthetic, and hygienic aspects; the application of the principles of color and design to individual selection; the care of clothing. Morning.

 Home Feenomics 22x—same as Home Economics 22, but offered
- fall term. Evening.

 51 Family Meals (3)

 The choice, purchase, preparation, and service of foods; dietary standards, food habits, and the nutritional needs of the family: problems of purchasing, care, and use of food by the consumer. Material fec. 57 50. Lecture (2 hours), laboratory (3 hours)—morning.
- 53x Family Health and Household Sanitation Kirkpatrick
 (3)
 Home hygiene and home care of the sick; the principles of household sanitation in relation to health and diseases. Material fee, 54-
- Evening.

 62 Clothing Construction (3)

 Techniques of construction suitable for cotton, wool, and rayon fabrication of commercial patterns and their alteration; the proper selection of color, design, and fabric. Material fee, \$4. Morning and afternoon sections.
- afternoon sections.

 71 Costume Design and Fashion Economics (3)

 Factors determining fashions and effect on cost of clothing: problems of the consumer of textiles and clothing; historic costume and is relation to medern dress. Material fee, \$3. Afternoon.
- 72x Household Textiles (3)

 Properties, uses, and tests of the different textile fibers and fabricated and development of judgment and knowledge of standard for the consumer of clothing and house-furnishing material. Material fee, 51 Morning.
 - 77 Marketing (3)
 Purchasing of foods as it relates to the home and to the institution (Offered 1950-51 and alternate years.)

SECOND GROUP

- The application of the fundamental processes of food preparation to a wider range of food materials and various services for different occasions. Material fee, \$12.50. Morning.
- (Not offered in 1949-50.)

The Staff

- 123x Household Finance and Problems of the Consumer (3)

 Economic problems of the family in modern industrial society; family income; income apportionment and household expenditures; laws affecting the home; investments; consumer buying. Evening.
- 143 Advanced Clothing Construction (3)

 Problems of clothing construction, including renovation, flat pattern designing.

 Material fee, \$4. (Offered in 1950-51 and alternate
- 148 Food Problems (3)

 Factors affecting the preparation of standard products from the experimental viewpoint; principles of food demonstrations. Material fee,
- 152x Nutrition (3)

 Lecture course on the principles of normal and abnormal human nutrition. Laboratory work on the calculation and preparation of dietaries.

 Laboratory fee, \$3. Afternoon.
- 154 Diet Therapy (3)
 Study of nutrition as applied to diet and disease. (Not offered in 1949-50.)
- 164 Child Nutrition (3)
 Basic principles in nutrition and growth of the infant, pre-achool, and adolescent child in health and disease. Morning.
- 168 Institutional Management (3)
 Study of the organization, equipment, and marketing problems of institutions. (Not offered in 1040-50.)
- Home planning from the historic, artistic, economic, and sanitary mattresses, etc. Material sec. \$3. Morning.
- 181 The Child in the Home (3)

 Care and development of children; parent-child relationships. (Offered in 1950-51 and alternate years.)
- 192 The Home, Its Management and Equip- Kirkpatrick ment (3)
 Economical management of the home; distribution of time and energy; problems in the selection, arrangement, and care of equipment. After-

- 193 Supervision of Home Management (3) The Staff Field work under supervision. Designed to meet requirements of those preparing to teach in federally-aided schools. Time to be arranged.
- 195-96 Special Problems (3-3)

 Individual investigation or study under the guidance of a member of the staff. Suggested problems are: home economics education, marketing, tailoring, and draping. Program and conferences arranged with an instructor. Afternoon.
- The Staff
 The study of the most recent materials and problems in the various phases of home economics. Evening.

IOURNALISM

Elbridge Colby, Ph.D., Associate Professor of Journalism, Executive

Joseph Marshall Mathias, A.B., LL.B., Lecturer in Journalism

Edwin De Frees Neff, M.S., Lecturer in Journalism

Stanley Samuel Baitz, LL.B., Lecturer in Journalism

Frank Landt Dennis, A.B., LL.B., Lecturer in Journalism

The major in Journalism (Departmental).—Prerequisite: Journalism 71-72. Required: a minimum of twenty-four credit hours of journalism including 116. 151-52, and 199. It is recommended that electives in the junior college be selected from the following: Economics 1-2, English 71-72, History 71-72, Political Science 9-10, Sociology 1-2, 71-72; and in Columbian College from the following: Business Administration 169, 171, 172: English 171-72, 177-78; Geography 171; History 171-72, 174, 181-82, 191-92; Philosophy 172.

FIRST GROUP

71-72 Journalism Survey (3-3)
History of American journalism; the newspaper and society; survey of character and content of leading newspapers to develop intelligent reading necessary for understanding of current events. Practice in news writing. Prerequisite: English 1-2 or the equivalent. Morning

SECOND GROUP

- III-12 Reporting (3-3) Techniques of newspaper reporting, instruction and practice in medern methods of gathering and presenting news. Prerequisite: English 1-2 and permission of the instructor. Laboratory fee, \$3 a term. Morning and evening sections.
 - 115 Copy Editing and Make-up (3) Editing of news prior to publication, the copy desk, head lines, makeup, the city editor and his functions, the small town paper. Morning
 - 116 Public Relations (3) The press and information office, technique of news releases, public addresses as news, promotion of feature material, the problem of public relations in government agencies and commercial establish-
- 121-22 Feature Writing (3-3) Instruction and practice in writing of special newspaper and magazine articles for sale, material for which is obtained through interviews and independent investigation. Prerequisite: Journalism 71-72, 111-12,

142 Newspaper Advertising (3)

lent. Morning and evening sections.

Newspaper advertising management, coordination of newspaper advertising with retail sales patterns, advertising readership, copy preparation, production methods. Prerequisite: Business Administration 169. Evening.

147-48 Reporting of National and International Affairs (3-3)
Training in the coverage and presentation of national and international news, special attention to Washington correspondence and press association reporting. Prerequisite: Journalism 111-12 or the equivalent.

Laboratory fee, \$3 a term. (Not offered in 1949-50.)

Colby
Current events from the standpoint of editorial interpretation, instruction and practice in the writing of editorials and columns on public affairs. It is recommended that History 191-92 be taken in conjunction with this course. Prerequisite: Journalism 111-12 or the equiva-

199 Law of the Press (2)
Freedom of the press, censorship, legislative controls, publication as contempt of court, copyright, news gathering agencies, labor law and the newspaper business, law of libel, privileged matter, fair comment on public characters, right of privacy. (Not offered in 1949-50.)

LAW

William Cabell Van Vleck, A.B., LL.B., S.J.D., LL.D., Professor of Law Charles Sager Collier, A.B., LL.B., S.J.D., Professor of Law William Thomas Fryer, A.B., LL.B., J.D., Professor of Law Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., Professor of Law, Executive Officer

Carville Dickinson Benson, A.B., LL.B., S.J.D., Professor of Law James Forrester Davison, A.B., LL.M., S.J.D., Professor of Law James Oliver Murdock, Ph.B., LL.B., Professor of Law Levi Russell Alden, A.M., LL.B., Adjunct Professor of Law George Bowdoin Craighill, A.B., LL.B., Adjunct Professor of Law James Ward Morris, A.B., Adjunct Professor of Law James Robert Kirkland, A.B., LL.M., Adjunct Professor of Law Bolitha James Laws, LL.M., Adjunct Professor of Law Frank Hammett Myers, LL.M., Adjunct Professor of Law Conder Caywood Henry, A.B., LL.B., Adjunct Professor of Law Elliott De Jarnette Marshall, LL.B., Adjunct Professor of Law John Wingfield Jackson, B.S., LL.B., Adjunct Professor of Law William Randall Compton, M.B.A., LL.B., J.S.D., Professorial Lecturer in Law William Randall Compton, M.B.A., LL.B., J.S.D., Professorial Lecturer in Law

Justin Lincoln Edgerton, A.B., LL.B., Professorial Lecturer in Law;
Clerk of the Moot Court

Charles Sylvanus Rhyne, LL.B., Professorial Lecturer in Law
Karl Rhorer Price, A.B., LL.B., Professorial Lecturer in Law
Raymond Stevens Smethurst, B.S., LL.B., Professorial Lecturer in Law
Francis Gerald Toye, B.S. in E.E., LL.B., Professorial Lecturer in Law
Philip Field Herrick, A.B., LL.M., Professorial Lecturer in Law
Louis Loss, B.S., LL.B., Professorial Lecturer in Law
George Edward Monk, A.B., LL.M., Professorial Lecturer in Law
Harryman Dorsey, A.B., LL.B., Associate Professor of Law
Robert McKinney Cooper, Ph.M., J.D., Associate Professor of Law
*Leroy Sorenson Merrifield, A.B., LL.B., M.P.A., Associate Professor of
Law

John Patrick Burke, A.B., LL.B., Associate Professor of Law Donald James Farage, A.B., LL.B., Associate Professor of Law Herman Israel Orentlicher, A.B., LL.B., Associate Professor of Law *August Gottlieb Eckhardt, A.B., LL.M., Assistant Professor of Law James Andrew Durham, A.B., LL.B., M.B.A., Assistant Professor of Law Law

^{*} On leave of absence 1949-50.

William Leigh Ellis, A.B., LL.M., Lecturer in Law John Alexander Kendrick, A.B., LL.B., Assistant Clerk of Moot Court

- Problems of agency in the conduct of business. Casebook to be announced. Morning and evening sections.
- Promissory obligation: offer and acceptance, consideration, statute of frauds, formal instruments, rights of third parties, assignments, joint obligations, conditions, performance, discharge. Casebook to be announced. Morning and evening sections.
- 123 Criminal Law and Procedure (4) Murdock, Cooper Elements of criminal liability; specific crimes; combinations of persons in crime; criminal procedure. Harno, Cases and Materials on Criminal Law and Procedure, 2d ed. Morning and evening sections.

 Summer term 1949.

129-30 Legal Method and Legal Fryer, Benson, System (2-2)

Introduction to study of substantive and procedural law. Examination of basic concepts with training in method and technique of case law, based upon modern records in state and federal cases and individual practice in the use of law books and legal writing. Importance of language in law and legal reasoning, both apart from and in connection with statutory interpretation and as affected by the use of precedents, under the doctrines of stare decisis, law of the case, and res judicata. Background on development of the English and Austican legal systems; organization of the judiciary and the bar, stressing enforcement of ethical standards. Fryer and Benson, Cases and Materials on Legal Method and Legal System. Morning and evening sections. (Also offered 1040 summer term.)

sections. (Also offered 1949 summer term.)
Law 129x—same as Law 129, but offered winter term. Morning and evening sections.

- 133 Property I (4)

 Concepts of property, possession, and ownership; legal relations with respect to chattels and documentary intangibles created by gift, sale, pledge, lien, bailment, etc. Fraser, Cases on Property, Vol. II, 2d ed., Fryer, Readings on Personal Property, 3d ed. Morning and evening sections.
- Real property II (4)

 Real property; introduction; estates, seisin, landlord and tenant; future interests at common law and under the statutes of uses and wills merger, elementary study of remoteness and powers; adverse possession; prescription; natural rights. Fraser, Cases on Property, Vol. 1 and II, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)
- 141x Torts (4)

 Civil liability for harms to legally protected interests.

 Seavey, Cases on Torts. Morning and evening sections. (Also offered 1949 summer term.)

- 205x Civil Procedure (4)

 Function and composition of pleadings, including their relation to proof. Emphasis is upon reforms, as exemplified by modern code provisions and the Federal Rules of Civil Procedure. Clark, Cases on Pleading and Procedure, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)
- 214x Constitutional Law (4)

 Historical introduction; judicial approach and methods; doctrine of the separation of powers; powers of the National Government; the federal system; relation of the state courts and the federal courts. Dodd, Cases on Constitutional Law, 3d ed. Morning and evening sections.
- 223x Domestic Relations (2)

 Marriage, annulment, and divorce; rights of husband and wife; rights of parent and child; infants; conflict of laws involving problems of marriage evasion and migratory divorce. Madden and Compton, Cases on Domestic Relations. Morning. (Also offered 1949 summer term.)
- 231 Equity (4)

 Specific performance of contracts; equitable conversion; statute of frauds; mutuality; conditions; defenses; equitable servitudes; powers of an equity court; effect of decrees, interpleader. bills of peace, cloud on title, rescission and reformation, mistake. Chafee and Simpson, Cases on Equity, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)
- Fryer Functions of court and jury; witnesses; hearsay, opinion, and circumstantial evidence; proof of authenticity and contents of writings. McCormick, Cases on Evidence, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)
- 246 Negotiable Instruments (4)
 Bills of exchange, promissory notes and checks, especially under the Negotiable Instruments Law. Casebook to be announced. Morning and evening sections. (Also offered 1949 summer term.)
- 248x Property III (2)

 Conveyances, rents, easements, profits, licenses, covenants, running with the land, and recording. Kirkwood, Cases on Conveyances, 2d ed. Morning and evening sections.
- 251 Restitution (4)
 Legal remedies for restitution of benefits obtained or conferred by performance of contract, misrepresentation, mistake, and coercion.
- 253x Trade Regulation I—Unfair Trade

 Practices (4)

 Unfair trade practices at common law and under state and federal statutes. Trade-marks and trade names, including Trade Mark Act of 1946. Misappropriation. False advertising at common law. Fed-

eral Trade Commission jurisdiction over misrepresentation practices. Lotteries and premiums. Disparagement of competitor's goods and business methods. State Fair Trade Acts (resale price maintenance). Price discrimination (State and Federal Robinson-Patman Act). State statutes, prohibiting sales below cost. Inducing breach of contract. Commercial bribery. Miscellaneous business torts constituting unprivileged interferences with advantageous business relations. Oppenheim, Cases on Unfair Competition. Morning and evening sections.

254x Wills (2)

Formation and revocation of wills; testate and intestate succession.

Mechem and Atkinson, Cases on Wills and Administration, 3d ed.

Morning and evening sections. (Also offered 1949 summer term.)

Common law, Uniform Sales Act and related statutes. Intention to transfer of property interest (specific, unascertained, and future goods); specification and appropriation; cash and conditional sales; C.O.D., F.O.B., and C.I.F. shipments; negotiable bills of lading and warehouse receipts; trust receipts; fraud on seller, retention of possession and bulk sales; remedies of seller and buyer, including suit for price, stoppage in transit, seller's warranties; inspection. Begert, Cases on Sales, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)

Davison

Legislative setting for administrative bodies; judicial control of administrative action, public utilities, taxation, alien laws. Federal Trade Commission, workmen's compensation, etc. Katz, Cases on Adminitrative Law. Morning section (2-2)—fall and winter terms; evening section (4)—fall term.

211-12 Corporations (2-2)

Legal requirements as to contributions of capital; powers and rights of corporations, corporate officials, and shareholders. Berle and Warrell, Business Organization—Corporations. Morning and evening sections.

(Also offered 1949 summer term.)

Study of cases involving foreign elements; principles of jurisdiction and limitations upon its exercise; procedure, torts, workmen's compensation, contracts, property, family law, administration of estates, business associations. Cheatham, Dowling, Goodrich, and Griswold. Cases on Conflict of Laws, 2d ed. Morning and evening sections. (Also offered 1949 summer term.)

317 Creditors' Rights (4)

Remedies of unsecured creditors: judgments, fraudulent conveyances, creditors' agreements, equity and statutory receiverships, and bank-ruptey. The general approach is that of law administration.

Summer term 1949.

321-22 Current Decisions (2-2)

Required of, and limited to, members of the student staff of the Law Review. Time to be arranged.

- 324 Federal Jurisdiction (2)

 Constitutional origins and powers of federal courts; sources of law applicable to them; business and extent of jurisdiction of federal courts. McCormick and Chadhourn, Cases on Federal Courts. Morning and evening sections.
- 326 Insurance (2)
 The insurance device in life, property, and other risks. Vance, Cares on Insurance, 3d ed. Morning. (Also offered 1949 summer term.)
- 328 International Law (4)

 Customary and treaty rights and duties of states; diplomatic and consular agents; treaty interpretations; nationality laws; international courts; claims procedure; war; neutrality. Hudson, Cases on International Law, 2d ed. Morning and evening sections.
- Jayo-30 Labor Law (2-2)

 Laws applicable to strikes, picketing, boycotts, etc.; organization and tracts; inter-union and intra-union relations; settlement of wage disadministrative materials, readings. Evening. (Also offered 1949 summer term.)
 - 332 Legal Accounting (2)
 A study of elementary accounting principles and techniques, and an introduction to the interpretation of financial statements. Evening.
- Justiciable aspects of the legislative process; forms and types of statutes; principles of statutory interpretation, stucture, and drafting.

 Read & MacDonald, Cases and Materials on Legislation. Evening.
- 335-36 Moot Court (2-2) Laws, Morris, Craighill, Kirkland,
 Edgerton, Myers, Marshall, Jackson, Herrick, Monk
 To be taken in the senior year. Prerequisite: Law 205 and 234.
 - 345 Patent Law (2)
 Substantive patent law; patentability; revision, use and enforcement of
 - 346 Patent Office Practice (2)
 Rules of Practice; appeal and interference procedure. Evening.
- 349-50 Patent Moot Court (2-2)

 This course may be elected instead of Law 335-36 to satisfy the a degree. Evening.

 Henry Moot Court requirement. Both subjects may not be counted toward
 - 251 Public Utilities (2)
 Limits of regulation of businesses affected with public interest: ascer-fixing of adequate rates of return. Welch, Cases on Public Utilities,

358 S.E.C. Aspects of Corporate Finance (2) Loss Federal and state regulation of the distribution of securities, the securities markets, and the corporate structure, and management of public utility and investment companies. Primarily the aspects of corporate finance dealt with by the Securities and Exchange Commission. Evening.

362x Security Transactions (4)

Security interests in real and personal property, their creation, transfer, enforcement, and extinguishment, together with security problems in the fields of suretyship and bankruptcy. Casebook to be announced. Morning and evening sections.

Taxation (4)

Introductory course on basic concepts of federal tax system. Attention given state inheritance and income taxes. Problem of jurisdiction to tax, construction of tax statutes, methods of judicial review of administrative actions in the tax field, modern excise taxes on business concerns. Magill and Maguire, Cases on Taxation, 4th ed. Morning.

375-76 Taxation—Federal (2-2)
Federal income, gift and estate taxes, and selected federal tax problems. Evening.

Trade Regulation II—Federal Anti-Trust Oppenheim

Laws (4)

Restraints of trade at common law. Public policy under Sherman Anti-Trust Act of 1890 and Federal Trade Commission and Clayton Acts, including mergers, consolidations and monopoly. Losse association activities (price-fixing agreements, trade associations, international cartels). Specific practices such as resale price maintenance, delivered price systems, exclusive arrangements and tying devices, trade boycotts. Patents and copyrights under anti-trust laws. Remedies. Oppenheim, Cases on Federal Anti-Trust Laws. Morning and evening sections.

381 Trusts (4)
Creation, elements, administration, enforcement, termination. Liabilities to and of third persons. Resulting and constructive trusts.
Bogert, Cases on Trusts. Morning and evening sections.

Administrative Law Seminar (2-2)

Research seminar course in special problems, including the study of specific administrative agencies, federal or state. Time to be arranged.

Aviation Law (2)

Procedure before Civil Aeronautics Board; legal problems arising in connection with air transportation and airports; international conventions and organizations. Evening.

Admiralty (2)
Federal and state jurisdiction; jurisdiction over waters, craft, contracts, torts, crimes, in equitable matters, etc.; laws applicable to maritime workers and maritime liens. Sayre, Cases on the Law of Admiralty. Morning.

- 415 Comparative Law (4)

 Historical and comparative study of some of the institutions and principles of the Roman and modern Civil Law (law of South and Central America and most of the Continent of Europe) compared with those of the Common Law; the influence of the former upon the latter. Evening.
- 421 Constitutional Law Seminar (2) Collier Research seminar in contemporary problems in constitutional law. Time to be arranged.
- 430 International—Comparative Law Seminar (2) Murdock Research seminar in contemporary problems. Time to be arranged.
- 434x Interstate Commerce Commission Law

 and Procedure (2)
 Interstate Commerce Act; the Interstate Commerce Commission; practice and procedure before the Commission. Evening.
- History of jurisprudence; schools of jurists, particularly the nine-teenth century schools; sociological jurisprudence; theories of justice; the nature of law; law and morals; law and the state; the scope and subject matter of law, sources and forms of law; the traditional element; analysis of general legal concepts. Hall, Readings in Jurisprudence. Morning. (Also offered 1949 summer term.)
- 447-48 Municipal and Government Corporations McIntire

 (2-2)

 Municipal corporations: organization, powers, functions and legal relations of local governmental units. Federal corporate agencies: organization, powers, functions, and legal relations of functional governmental units separately incorporated. Tooke and McIntire, Cases on Municipal Corporations. Evening.
- 451-52 Trade Regulation Seminar (2-2)

 A research seminar in specific current problems relating to federal anti-trust laws and unfair trade practices. Time to be arranged.

MATHEMATICS

James Henry Taylor, Ph.D., Professor of Mathematics, Executive Officer Francis Edgar Johnston, Ph.D., Professor of Mathematics *Florence Marie Mears, Ph.D., Professor of Mathematics Nels David Nelson, Ph.D., Assistant Professor of Mathematics Earl Larkin Williams, A.M., Lecturer in Mathematics Joachim Weyl, Ph.D., Lecturer in Mathematics Daniel Maccabaeus Dribin, Ph.D., Lecturer in Mathematics William Henry Erskine, Ph.D., Lecturer in Mathematics Louis William Tordella, Ph.D., Lecturer in Mathematics

Minimum requirements for the major in Mathematics (Departmental) .- Fifteen credit hours of mathematics beyond calculus, i.e., of approved second- and thirdgroup courses.

FIRST GROUP \$

- The Staff 3 College Algebra (3) Exponents and logarithms; linear equations; complex numbers; quadratic equations; introduction to theory of equations; mathematical induction and the binomial theorem; permutations, combinations, and probability; determinants; progressions. Prerequisite: one year each of high school algebra and high school geometry. Morning and evening sections. (Also offered 1949 summer term.) Mathematics 3x-same as Mathematics 3, but offered winter term.
- The Staff 6 Plane Trigonometry (3) Prerequisite: two years of high school algebra and one year of high school geometry, or Mathematics 3 (or concurrent registration therefor). Morning and evening sections. (Also offered 1949 summer term) Mathematics 6x—same as Mathematics 6, but offered fall term. Morning and evening sections.
- The Staff 12 Analytic Geometry (3) Prerequisite: Mathematics 3 and 6, or two years of high school algebra, one year of high school geometry, and one-half year of high school trigonometry. Morning and evening sections. (Also offered 1949 summer term.)

Mathematics 12x—same as Mathematics 12, but offered fall term. Morning and evening sections.

Morning and evening sections.

² No first-group course in mathematics is available for college credit if the student's previous training in mathematics meets the prerequisite for a higher numbered course.

- 19 Differential Calculus (3) Prerequisite: Mathematics 12. Morning and evening sections. (Also offered 1949 summer term.) Mathematics 19x-same as Mathematics 19, but offered winter term. Morning and evening sections.
- 20 Integral Calculus * (3) Prerequisite: Mathematics 19. Morning and evening sections. (Also offered 1949 summer term.) Mathematics 20x-same as Mathematics 20, but offered fall term. Morning and evening sections.

SECOND GROUP *

- 102x Fundamental Concepts of Mathematics (3) Evening. Nelson
- 112 Mathematics for Engineers and Scientists (3) The Staff Topics from advanced calculus, partial differential equations, vector analysis, and complex variables. Prerequisite: Mathematics 132. Mathematics 112x-same as Mathematics 112, but offered fall term. Evening.
- 123 Theory of Equations (3) Summer term 1949. Johnston
- 125 Advanced Algebra (3) Evening. Tordella
- 126 Advanced Analytic Geometry (3) Evening. Taylor
- 132 Differential Equations (3) Morning and evening sections. (Also offered 1949 summer term.)

 Mathematics 132x—same as Mathematics 132, but offered fall term.
- 134 Introduction to Boundary Value Problems Taylor Prerequisite: Mathematics 132. Evening.
- †135-36 Projective Geometry (2-2) (Not offered in 1949-50.)
 - 139 Advanced Calculus (3) Evening. (Also offered 1949 summer term.) Mears, Nelson
 - 140 Introduction to Analysis (3) Prerequisite: Mathematics 139. Evening. Nelson
 - 141 Introduction to Infinite Series (3) Morning. Mears
 - 167 Fourier Series and Spherical Harmonics (3) Prerequisite: Mathematics 132. (Not offered in 1949-50.)

Mathematics 20 is prerequisite to all second-group courses.

Taylor

The Staff

The Staff

171 Vector Analysis (3)

Evening. (Also offered 1949 summer term.) Mathematics 171x-same as Mathematics 171, but offered winter term. Morning. THIRD GROUP Nelson 202 Mathematical Logic (3) Evening. 220 Theory of Numbers (3) (Not offered in 1949-50.) Johnston †237-38 Theory of Functions (3-3) Evening. 242 Infinite Series (3) (Not offered in 1949-50.) Taylor 249 Ordinary Differential Equations (3) Evening. Weyl 250x Integral Equations (3) Evening. 255x Differential Geometry (3) (Not offered in 1949-50.) 257 Theory of Groups (3) (Not offered in 1949-50.) †265-66 Modern Algebra (3-3) (Not offered in 1949-50.) Weyl 268 Calculus of Variations (3) Evening. 270 Tensor Analysis (3) (Not offered in 1949-50.) 271 Riemannian Geometry (3) (Not offered in 1949-50.)

277 Partial Differential Equations (3)

(Not offered in 1949-50.) 295-96 Reading and Research (3-3)

Time to be arranged.

299-300 Thesis (3-3)

MECHANICAL ENGINEERING

Arthur Frederick Johnson, M.E., Ph.D., Professor of Mechanical Engineering

Benjamin Carpenter Cruickshanks, B.S. in M.E., Professor of Mechanical Engineering, Executive Officer

Frederick Morris Feiker, B.S. in E.E., D.Eng., Professor of Engineering Administration

George Jaquet, B.S. in E.E., Professorial Lecturer on Engineering Administration

Robert Gay Trumbull, B.S. in C.E., Associate Professor of Mechanical Engineering

Charles Edward Greeley, B.S. in M.E., Assistant Professor of Mechanical Engineering

Otakar Wenceslaus Kabelac, M.C.E., Assistant Professor of Mechanical Engineering

Frederick Henry Kohloss, B.S. in M.E., Assistant Professor of Mechanical Engineering

Rudolph Michel, M.S. in M.E., Lecturer in Mechanical Engineering Edward Frederick Kelley, M.S., Ac.E., Lecturer in Mechanical Engineering

Bernard Bernstein, B.S., B.M.E., Lecturer in Mechanical Engineering
Luther Bertram Nye, Jr., B.E., Lecturer in Mechanical Engineering
Richard Lee Fenton, B.M.E., Lecturer in Mechanical Engineering
John Brewster Willis, B.S. in M.E., Lecturer in Mechanical Engineering
William Clayton Justice, B.S. in Eng., Lecturer in Mechanical Engineering
gineering

Raphael David Cahn, B.M.E., Lecturer in Mechanical Engineering John Clifford Goff, B.M.E., Associate in Mechanical Engineering Edward French Davis, M.S., Associate in Mechanical Engineering Stanley Walter Lange, B.M.E., Associate in Mechanical Engineering

Minimum requirements for the major.—See pages 111-12 and 114-15.

FIRST GROUP

- Orientation (1)
 Open to freshmen only. Afternoon and evening sections.
- 3 Mechanical Drawing (2)

 Drafting-room fee, \$3. Drafting (6 hours)—afternoon and evening sections.

- 4 Descriptive Geometry (2) Trumbull and Staff
 Drafting-room fee, \$3. Drafting (6 hours)—afternoon and evening
 sections.
- 5 Introductory Naval Architecture (3)
 Nomenclature, functions, and arrangement of hull structure, equipment, and machinery for merchant vessels. Lectures supplemented by visits to shipyards. (Not offered in 1949–50.)
- 7 Machine Drawing (2) Trumbull, Goff Prerequisite: Mechanical Engineering 3 and 4. Drafting-room fee, \$3. Drafting (6 hours)—afternoon and evening sections.
- 8 Mechanism Drawing (2)

 Prerequisite: Mechanical Engineering 3. 4, and 13.

 Prerequisite or concurrent registration: Mechanical Engineering 14.

 Drafting-room fee, \$3. Drafting (6 hours)—afternoon and evening sections.
- 9-10 Ship Drafting (2-2)
 Fairing of lines; displacement, stability curves, midship section, general arrangements and structural detail plans, machinery details. Prerequisite or concurrent registration: Mechanical Engineering 15.

 Drafting-room fee, \$3 a term. (Not offered in 1949-50.)
- 13-14 Mechanism (2-2) Trumbull and Staff
 Prerequisite: Mathematics 19. Prerequisite or concurrent registration:
 Mathematics 20. Morning and evening sections. (Also offered 1949
 summer term.)
- Form characteristics, detailed weights, displacement, transverse and longitudinal equilibrium, launching. Prerequisite: Mechanical Engineering 5. (Not offered in 1949-50.)

SECOND GROUP

- Stabilizing, model basin practice, powering, steering, launching, hull steength, floodability, vibrations. Prerequisite: Mechanical Engineering 16. (Not offered in 1949–50.)
- 103-4 Ship Design (2-2)
 Prerequisite: Mechanical Engineering 10, 16. Prerequisite or concurrent registration: Mechanical Engineering 117. Drafting-room fee, 53 a term. (Not offered in 1949-50.)
- 111-12 Thermodynamics Cruickshanks, Kohloss, Bernstein
 (3-3)
 With introductory study of laws of heat transmission. Prerequisite:
 Mechanical Engineering 14; Physics 8. Prerequisite or concurrent
 registration: Mathematics 20. Morning and evening sections. (Also
 offered 1949 summer term.)

- Calibration of instruments; calorimetry; testing of prime movers, auxiliaries, and combustion engines. Eight-hour boiler test required. Prerequisite: Mechanical Engineering 13-14 and 111-12. Prerequisite or concurrent registration: Mechanical Engineering 129. Laboratory fee, \$6 a term. Laboratory (6 hours)—afternoon and evening sections. (Also offered 1949 summer term.)
- Details, arrangements and Auxiliaries (2-2)

 Details, arrangements and performance of steam uniflow, steam turbine, and Diesel propelling plants. Prerequisite or concurrent registration: Mechanical Engineering 5, 13-14, and 111-12. (Not offered in 1949-50.)
 - Fixtures, gaucing, tools, costs. Prerequisite: Mechanical Engineering 8 and 14; Civil Engineering 26. Morning and evening sections. (Also offered 1949 summer term.)
- 127-28 Machine Design (2-2)
 With stress-analysis lectures. Prerequisite: Mechanical Engineering 112 and 126: Civil Engineering 26, 123, 136 and 141. Drafting-rosm fee, \$3 a term. Computation and drafting (3 hours)—Saturday morning.
- 129-30 Power Plants (3-3)

 Study of design, layout, installation, and operation of power plants and equipment. Prerequisite: Mechanical Engineering 112. Morning and evening sections.
- 131-32 Heating, Ventilating, Air Conditioning, Kohloss, Nye and Refrigeration (2-2)
 Prerequisite: Mechanical Engineering 112. Morning and evening sections. (Also offered 1949 summer term.)
 - 133 Combustion Engines (2)
 Prerequisite: Mechanical Engineering 112; Civil Engineering 123 and offered 1949 summer term.)

 Greeley
 136; Electrical Engineering 10. Morning and evening sections. (Also
 - The theories of hydro- and aero-mechanics as influenced by density, civil Engineering 140. Morning and evening sections. (Also offered
 - 140 Dynamics of Machinery (3) Johnson, Michel, Kabelac Inertia effects, balancing, vibration phenomena. Prerequisite: Mechanical Engineering 115; Civil Engineering 123 and 136. Morning and evening sections. (Also offered 1949 summer term.)
- 141-42 Management Problems (2-2)

 Organization of an industrial enterprise; the handling and training of men. Prerequisite: Economics 1-2. Morning and evening sections.

- 145 Production Control and Planning (2) Jaquet
 Scope of production controls, product analysis, planning and routing
 systems and methods. Prerequisite: Mechanical Engineering 141-42.
 Evening.
- 146 Engineering Patent Procedure (2)

 Nature and purpose of patents, procedures for preparing and filing patent applications, trade marks and design patents, employer-employee relations. Prerequisite: Mechanical Engineering 141-42. Evening.
- 147 Industrial Labor Relations (2)
 Prerequisite: Mechanical Engineering 141-42. Time to be arranged.
- 189-90 Proseminar in Mechanical Engineering (1-1) Johnson Saturday morning. (Also offered 1949 summer term.)

MEDICINE

Walter Andrew Bloedorn, A.M., M.D., Sc.D., Professor of Medicine Thomas McPherson Brown, A.B., M.D., Professor of Medicine, Executive Officer

Charles Robert Lee Halley, A.B., M.D., Clinical Professor of Medicine

Paul Frederick Dickens, M.D., Clinical Professor of Medicine

Harry Filmore Dowling, A.B., M.D., Clinical Professor of Medicine Benjamin Frank Miller, B.S., Chem. Eng., M.D., Clinical Professor of Medicine

Sol Katz, B.S., M.D., Adjunct Clinical Professor of Medicine

Harry Eagle, A.B., M.D., Adjunct Clinical Professor of Medicine

Louis Katz Alpert, B.S., M.D., Adjunct Clinical Professor of Medicine Joseph Francis Sadusk, Jr., A.B., M.D., Adjunct Clinical Professor of

Joseph Francis Fazekas, B.S., M.D., Adjunct Clinical Professor of

Clark Harvey Yeager, M.D., Dr.P.H., Professorial Lecturer on Tropi-

Norman Hawkins Topping, A.B., M.D., Professorial Lecturer on Rickettsial Diseases

Monroe James Romansky, A.B., M.D., Associate Professor of Medicine Clayton Bernard Ethridge, M.D., Associate Clinical Professor of Medi-

Peter Diacoumis Comanduras, M.D., M.S., Associate Clinical Professor

Walter Kendall Myers, B.S., M.D., Assistant Clinical Professor of

John Alton Reed, A.B., M.D., Assistant Clinical Professor of Medicine Theodore Judson Abernethy, B.S., M.D., Assistant Clinical Professor

William Travis Gibb, Jr., A.B., M.D.. Assistant Clinical Professor of

John McCallum Evans, A.B., M.D., Assistant Clinical Professor of

Roy Hertz, Ph.D., M.D., Assistant Clinical Professor of Medicine

Carl Leonard Larson, B.S., M.D., Assistant Clinical Professor of Medi-

Carl Calvin Dauer, A.B., M.D., M.P.H., Assistant Clinical Professor

Samuel Ross Taggert, M.D., Assistant Clinical Professor of Medicine

Alfred Henry Lawton, M.D., Ph.D., Assistant Clinical Professor of Medicine

John Minor, A.B., M.D., Associate in Medicine Watson William Eldridge, Jr., M.D., Associate in Medicine Maurice Protas, A.B., M.D., Associate in Medicine Pearl Holly, M.S., M.D., Associate in Medicine Benjamin Manchester, M.D., Associate in Medicine Irving Wolfe Winik, M.D., Associate in Medicine Lawrence Jay Thomas, B.S., M.D., Associate in Medicine James Joseph Feffer, A.B., M.D., Associate in Medicine Lawrence Elias Putnam, A.B., M.D., Associate in Medicine John Watkins Trenis, A.B., M.D., Associate in Medicine Bernard Lauriston Hardin, Jr., A.B., M.D., Associate in Medicine Clarence Richard Hartman, A.B., M.D., Associate in Medicine Andrew Gabriel Prandoni, B.S., M.D., Associate in Medicine Charles William Ordman, A.B., M.D., Associate in Medicine Ruth Hechler Wichelhausen, M.D., Associate in Medicine Eugene Pitcher Cronkite, A.B., M.D., Associate in Medi ine Albert David Kistin, A.M., M.D., Associate in Medicine Benjamin Calloway Jones, Jr., M.D., Associate in Medicine James Irving Boyd, M.D., Lecturer in Medicine Richard Bernard Castell, A.B., M.D., Clinical Instructor in Medicine Luther Henry Snyder, A.B., M.D., Clinical Instructor in Medicine Emil Herbert Bauersfeld, A.B., M.D., Clinical Instructor in Medicine John Bayne Marbury, M.D., Clinical Instructor in Medicine Louis Ross, M.D., Clinical Instructor in Medicine James Theodore Burns, M.D., Clinical Instructor in Medicine Frederic Dunbar Chapman, A.B., M.D., C.M., Clinical Instructor in

Medicine
Irvin Kerlan, B.S., M.D., C.P.H., Clinical Instructor in Medicine
Virginia Patterson Beelar, A.B., M.D., Clinical Instructor in Medicine
Myer Harold Stolar, B.S., M.D., Clinical Instructor in Medicine

Alfred Brigulio, M.D., Clinical Instructor in Medicine Lester Sylvan Blumenthal, A.B., M.D., M.S. in Med., Clinical In-

Samuel Jacob Nathan Sugar, Phar.G., M.D., Clinical Instructor In

Joseph Ney, B.S., M.D., Clinical Instructor in Medicine Charles Edward Law, M.D., Clinical Instructor in Medicine Henry Dunlop Ecker, B.S., M.D., Clinical Instructor in Medicine John Wilmer Latimer, Jr., M.D., Clinical Instructor in Medicine Mark Hummer Lepper, M.D., Clinical Instructor in Medicine Charles Wilson Jones, A.B., M.D., Clinical Instructor in Medicine Halla Brown, M.D., Clinical Instructor in Medicine

Frank Solomon Bacon, B.S., M.D., Clinical Instructor in Medicine Joseph Beinstein, A.B., M.D., Clinical Instructor in Medicine DeWitt Elmer DeLawter, M.D., Clinical Instructor in Medicine William Frank, M.D., Clinical Instructor in Medicine Stanley William Kirstein, M.D., Clinical Instructor in Medicine Ralph Bretney Miller, M.D., Clinical Instructor in Medicine Alvin Victor Rouzer, B.S., M.D., Clinical Instructor in Medicine Raymond Schwartz, A.B., M.D., Clinical Instructor in Medicine Robert George Taylor, M.D., Clinical Instructor in Medicine Charles Waters Thompson, M.D., Clinical Instructor in Medicine Thomas Stone Sappington, A.B., M.D., Clinical Instructor in Medicine James Walling Long, M.D., Clinical Instructor in Medicine Maurice Franks, M.D., Clinical Instructor in Medicine Israel Kessler, M.S., M.D., Clinical Instructor in Medicine Jack Jacob Rheingold, A.B., M.D., Clinical Instructor in Medicine Francis James Murray, A.B., M.D., Clinical Instructor in Medicine Robert Lee Brickhouse, B.S., M.D., Clinical Instructor in Medicine Morris Hirsh Rosenberg, A.B., M.D., Clinical Instructor in Medicine Hyman Joseph Zimmerman, A.B., M.D., Clinical Instructor in Medicine Maurice Mensh, M.D., Clinical Instructor in Medicine Robert Norwood Coale, B.S., M.D., Clinical Instructor in Medicine Harry Clark Bates, B.S., M.D., Clinical Instructor in Medicine James Francis Ambury, B.S., M.D., Clinical Instructor in Medicine William Otis Bailey, Jr., M.D., Clinical Instructor in Medicine Edwin Pearson Parker III, B.S., M.D., Clinical Instructor in Medicine Thomas Joseph Pekin, M.D., Clinical Instructor in Medicine Andrew Joseph Brennan, M.D., Clinical Instructor in Medicine Eugene Solomon Gladsden, B.S., M.D., Clinical Instructor in Medicine Jeanne Cecile Bateman, A.B., M.D., Clinical Instructor in Medicine

132 History of Medicine One hour a week,

The Staff

236 Clinical Microscopy Conferences and studies in the clinical application of laboratory examinations of blood, body fluids, exadates, and excreta. Three

241-42 Physical Diagnosis Demonstration and practical application of the principles of physical diagnosis and the interpretation of findings in the normal

243-44 Introduction to Medicine Lectures covering the principles of internal medicine preparatory to clinical studies and training on the inpatient and outpatient services. One hour a week, fall term; four hours a week, winter

- Medical Jurisprudence

 Lectures on the legal and ethical rights of physicians, and on the legal problems with which the physician comes in contact. One hour a week for sixteen weeks.
- 325-26 Clinical Clerkship

 Training with bed patients under individual instruction designed to develop ability in examination of patients and case taking as well as practice in clinical microscopy. Eight weeks.
- Required in the third year. Correlation of clinical and post-mortem findings: detailed case description from the clinical point of view followed by demonstrations of post-mortem findings. One hour a week.
- Conferences designed to emphasize the application of pharmacological principles to the problems of clinical medicine. One hour a week.

 The Staff
- 349-50 Medical Conferences
 Three hours a week.
- Individual case studies under personal supervision of the Staff.

 Daily clinics on current medical problems and seminars stressing physiological aspects of diseases. Individual examinations and instruction in medical specialties. University and Emergency hospitals.
- 427-28 Clinical Pathological Conferences II Brown, Choissel Required in the fourth year. Continuation of 327-28. One hour a week, in rotation.
- 439-40 Therapeutic Conferences II

Staff of Medicine and Pharmacology

Continuation of 339-40. One hour a week.

MILITARY SCIENCE AND TACTICS*

- Vernon David Pettit, B.S., M.D., Lieutenant Colonel, Medical Corps, United States Army, Professor of Military Science and Tactics, Executive Officer
 - 129-30 Basic Course, Senior Division ROTC Pettit (First Year) World situation, national defense, and ROTC (3); military obligations of citizenship (1); organization of the Army (10); organization of the Medical Department (5); courtesies and customs of the Service (2); military law (4); military training (2); medical military history (1); military administration (3); examination and discussion
- 247-48 Basic Course, Senior Division ROTC (Second Year) Pettit World situation, national defense, and ROTC (3); organization and employment of medical service of field army (5); duties of the surgeon (3); medical service, zone of communications (3); medical service, zone of interior (3); medical supply (3); introduction to map reading (4); health and national security (2); first aid, bandaging, and splinting (5); examination and discussion (1).
- 329-30 Advanced Course, Senior Division ROTC \$ (First Year) Pettit World situation, national defense, and ROTC (3); military preventive medicine (20); field medicine and surgery (6); army graduate professional education program (1); army career (1); examina-
- 429-30 Advanced Course, Senior Division ROTC \$ (Second Year) Pettit World situation, national defense, and ROTC (3); military preventive medicine (11); medical aspects of atomic warfare (2); medical aspects of chemical warfare (2); military psychiatry (5); personnel management (3); military medical research development (3); organized reserve corps (1); mobilization (1); examination and

Figures in parenthesis indicate the number of hours devoted to the subject. Students in the advanced course are selected from those who satisfactorily complete the basic course, or have one year active federal service.

NEUROLOGY AND NEUROLOGICAL SURGERY

Walter Freeman, Ph.D., M.D., Professor of Neurology, Executive

James Winston Watts, B.S., M.D., Professor of Neurological Surgers Hyman David Shapiro, M.D., Assistant Clinical Professor of Neurology Robert Henry Groh. B.S., M.D., Associate in Neurology

Paul Chodoff, A.B., M.D., Associate in Neurology

James Peter Murphy, B.S., M.D., Associate in Neurological Surgery George Davis Weickhardt, M.D., Clinical Instructor in Neurology Hugo Victor Rizzoli, A.B., M.D., Clinical Instructor in Neurological

Surgery
Jonathan Marshall Williams, M.D., Clinical Instructor in Neurological

Oscar Legault, A.B., M.D., Clinical Instructor in Neurology

- 249-50 Neurology (elective)

 Methods of study of the nervous system. Gross and microscopic preparations, embryology, comparative anatomy, stimulation and extirpation, human pathology, etc. Laboratory demonstrations. One hour a week.
 - 331 Neurology
 Systematic lectures with lantern slides, illustrating the chief neurologic syndromes and their anatomic bases. One hour a week.
- 333-34 Neurology and Neurological Freeman and Staff
 Surgery, Clinical Clerkship
 Instruction in history, physical examination, ordinary clinical procedures. Attendance at neurological operations. Gallinger Hospital.
 Four students in rotation, two weeks.
- 335-36 Neurological Conference Freeman and Staff
 Clinical conference one afternoon a week followed by clinicopathologic study of specimens from current necropsies. Gallinger Hospital.
 Two and one-half hours a week.
- Neurology Clinic

 Neurological outpatient clinic. Consultation of staff on ambulator, cases, demonstration of diagnostic procedures, disposition of neuropsychiatric cases. Discussion of neuropathologic material. University Hospital. Two hours a week.
- 433-34 Neurosurgery

 Clinical demonstrations in surgery of the brain, spinal cord, and peripheral nerves. Emphasis is laid upon fundamentals and upon the possibilities of surgery in the relief of symptoms. University and Gallinger hospitals. Section of four students, two hours a week.

OBSTETRICS AND GYNECOLOGY

John Parks, M.S., M.D., Professor of Obstetrics and Gynecology, Executive Officer

Radford Brown, M.D., Clinical Professor of Obstetrics and Gynecology Jacob Kotz, M.D., Clinical Professor of Obstetries and Gynecology Henry Lauran Darner, A.B., M.D., Clinical Professor of Obstetrics and Gynecology

Herbert Percy Ramsey, A.B., M.D., Clinical Professor of Obstetrics and Gynecology

Robert Henry Barter, M.D., Adjunct Clinical Professor of Obstetries

George Nordlinger, A.B., M.D., Associate in Obstetrics and Gynecology Laurence Lee Cockerille, M.D., Associate in Obstetrics and Gynecology Clayton Howard Hixson, M.D., Associate in Obstetrics and Gynecology Henry John Russell McNitt, B.S. in Med., M.D., Associate in Obstet-

Samuel Mayer Dodek, A.M., M.D., Associate in Obstetrics and Gyne-

Russel Jon Jansen, M.D., Associate in Obstetrics and Gynecology

Howard Pope Parker, A.B., M.D., Associate in Obstetrics and Gyne-

Roger O'Donnell, Jr., A.B., M.D., Associate in Obstetrics and Gyne-

James Albert Dusbabek, M.D., Associate in Obstetrics and Gynecology Barton Winters Richwine, M.D., Associate in Obstetrics and Gyne-

Clarence Kendall Fraser, Ph.B., M.D., Associate in Obstetrics and

Neel Jack Price, B.S., M.D., Instructor in Obstetrics and Gynecology Katherine Elizabeth Parker, A.M., M.D., Clinical Instructor in Ob-

William Dandridge Terrell, Jr., M.D., Clinical Instructor in Obstetrics

Samuel Hazen Shea, M.D., Clinical Instructor in Obstetrics and Gyne-

Julius Robert Epstein, M.D., Clinical Instructor in Obstetrics and Gyne-

Morton Selwyn Kaufman, A.B., M.D., Clinical Instructor in Obstetrics

Floyd Sterling Rogers, M.D., Clinical Instructor in Obstetrics and

Rufus Martin Roll, A.B., M.D., Clinical Instructor in Obstetrics and Gynecology

Caroline Jackson, A.M., M.D., Clinical Instructor in Obstetrics and Gynecology Jeremiah Keith Cromer, M.D., Clinical Instructor in Obstetrics and

Currendom

Gynecology
Jed Williams Pearson, Jr., A.B., M.D., Clinical Instructor in Obstetrics
and Gynecology

Thomas Miles Leonard, Ph.B., M.D., Clinical Instructor in Obstetrics

William Thurston Lady, M.D., Clinical Instructor in Obstetrics and Gynecology

Albert Seymour Bright, M.D., Clinical Instructor in Obstetrics and
Gynecology

Shirley Sue Martin, M.D., Clinical Instructor in Obstetrics and Gynecology

54 Normal Obstetrics

Lectures and demonstrations on the physiology and management of normal pregnancy. One hour a week.

337-38 Abnormal Obstetrics Nordlinger, Parks.

Lectures and demonstrations on the complications of pregnancy. One hour a week.

343 Gynecology
Lectures and demonstrations on the principles of gynecology. One hour a week.

344 Marriage and Marital Problems Ramsey, Nordlinger A course of instruction in marriage counseling and planned parent-hood. One hour a week.

348 Female Endocrinology and Operative Kotz, Darner Gynecology
Lectures on the physiology and pathology of the female endocrine system and on principles of gynecological surgery. One hour a week.

401-2 Manikin Demonstrations

The mechanism of labor and various types of operative delivery demonstrated to sections of the class in weekly sessions.

Senior students participate in prenatal and postnatal clinic care; make postpartum home calls; observe the course of labor and deliver patients under supervision; attend biweekly departmental conferences and daily ward rounds in the University, Gallinger, and Garfield hospitals.

Senior students observe and participate in the gynecological work of clinics, operating rooms, and gynecological services of the University and Gallinger hospitals.

OPHTHALMOLOGY

Ernest Alfred Watson Sheppard, M.D., C.M., Professor of Ophthalmology, Executive Officer

Ronald Armore Cox, A.B., M.D., Assistant Clinical Professor of Ophthalmology

Frank Duncan Costenbader, B.S., M.D., Assistant Clinical Professor of Ophthalmology

Richard Wallace Wilkinson, M.S., M.D., Associate in Ophthalmology Sterling Bockoven, M.D., Associate in Ophthalmology

Walter Joseph Romejko, M.D., Clinical Instructor in Ophthalmology Carmon Robert Naples, B.S., M.D., Clinical Instructor in Ophthal-

Micollius Noel Stow, M.D., D.M.S., Clinical Instructor in Ophthal-

James Spencer Dryden, M.D., Clinical Instructor in Ophthalmology William Paxson Chalfant, Jr., M.D., Clinical Instructor in Ophthalmology

William Joseph Graham Davis, A.B., M.D., Clinical Instructor in Oph-

William Henry Hanna, A.B., M.D., Clinical Instructor in Ophthal-

351-52 Ophthalmology

A lecture course presenting the principles of ophthalmology, with special reference to topics of importance to the general practitioner. One

447 Clinic
Intensive training in diseases of the eye; etiology, diagnosis, and treathours twice a week.

The Staff
ment in their application to clinical cases. University Hospital. Three

OTO-RHINO-LARYNGOLOGY

Daniel Bruce Moffett, A.B., M.D., Professor of Oto-rhino-laryngology, Executive Officer

William Herndon Jenkins, M.D., Clinical Professor of Oto-rhino-laryn-

Leroy Lee Sawyer, Jr., A.B., M.D., Assistant Clinical Professor of Oto-

David Davis, A.B., M.D., Associate in Oto-rhino-laryngology

Aubrey David Fischer, M.D., Associate in Oto-rhino-laryngology

Joel Norton Novick, M.S., M.D., Clinical Instructor in Oto-rhinolaryngology

John Gordon Bell, M.D., Clinical Instructor in Oto-rhino-laryngology Catharine Birch, A.B., M.D., Clinical Instructor in Oto-rhino-laryngology

Homer King Vann, A.B., M.D., Clinical Instructor in Oto-rhino-laryn-

James Jerry McFarland, Jr., B.S., M.D., Clinical Instructor in Otorhino-laryngology

- 451 Oto-rhino-lary ngology Moffett, Jenkins
 Lectures and demonstrations on anatomy, physiology, and diseases of
 the ear, nose, and throat. One hour a week.
- A series of lectures on the fundamental principles and the use of instruments, including both the bronchoscope and esophagoscope. One hour a week for two weeks.
- Practical clinical instruction in the diagnosis and treatment of diseases of the ear, nose, and throat. University Hospital. One and one-half hours twice a week.

PATHOLOGY

Roger Morrison Choisser, B.S., M.D., Professor of Pathology, Executive Officer

Thomas Martin Peery, A.B., M.D., Associate Professor of Pathology

Carl Hunt Wells, B.S., M.D., Associate Professor of Pathology

Robert Pelley Hill, B.S., M.D., Assistant Professor of Pathology

William John Schewe, A.B., B.S. in Med., M.D., Instructor in Pathology

SEMINAR LECTURERS

Elson Bowman Helwig, B.S., M.D., Professorial Lecturer in Pathology Hans Frank Smetana, M.D., Professorial Lecturer in Pathology Henry Rappaport, M.D., Professorial Lecturer in Pathology James Earle Ash, Jr., M.D., Professorial Lecturer in Pathology

- 259-60 Pathology

 Malformations, inflammations, degenerations, and neoplasms; special pathology of the organs and specific diseases. The laboratory work consists of the gross and microscopic study of diseased tissues. Necropsies are held regularly at the University and Gallinger hospitals.
 - 307 Necropsy (elective)

 Students assist in the performance of necropsies. Fresh gross specimens and microscopic sections from each case are presented at weekly sented by the students.
- 327-28 Clinical Pathological Conference
 Required in the third and fourth years. Case histories are presented and discussed by members of the staff and student body; necropsy and examined. One hour a week.
 - 460 Research
 Hours and credits to be arranged.

Choisser

PEDIATRICS

Preston Alexander McLendon, B.S., M.D., Professor of Pediatrics, Executive Officer

Margaret Mary Nicholson, A.B., M.D., Clinical Professor of Pediatrics Edward Lewis, M.D., Clinical Professor of Pediatrics

William Staton Anderson, A.B., M.D., Clinical Professor of Pediatrics Lewis Kaigler Sweet, A.B., M.D., Adjunct Clinical Professor of Pediatrics

Mabel Harlakenden Grosvenor, A.B., M.D., Assistant Clinical Professor

John Augustine Washington, A.B., B.S., M.D., Assistant Clinical Professor of Pediatrics

Aaron Nimetz, A.B., M.D., Assistant Clinical Professor of Pediatrics
Dorothy Steinle Jaeger-Lee, M.D., Assistant Clinical Professor of Pediatrics

George Maksim, M.D., M.S. in Ped., Assistant Clinical Professor of Pediatrics

Reginald Spencer Lourie, M.D., Associate in Pediatrics
Henry Harcus Work, A.B., M.D., Associate in Pediatrics
John Howell Peacock, B.S., M.D., Clinical Instructor in Pediatrics
Herbert Harold Diamond, M.D., Clinical Instructor in Pediatrics
Frederic Gerard Burke, B.S., M.D., Clinical Instructor in Pediatrics
Reginald Henry Mitchell, M.D., Clinical Instructor in Pediatrics
Maynard Irving Cohen, A.B., M.D., Clinical Instructor in Pediatrics
William Allen Howard, A.B., M.D., Clinical Instructor in Pediatrics

Mary Katherine Laurence Sartwell, A.B., M.D., Clinical Instructor in Pediatrics

Sidney Ross, M.D., Clinical Instructor in Pediatrics
Charles Frederick Stiegler, A.B., M.D., Clinical Instructor in Pediatrics

255-56 Pediatrics

Lectures on physiology of the newborn, development, infant nutrition, diseases of the newborn, common anomalies and system illnesses of childhood. Gallinger Municipal Hospital. One hour weekly.

357-58 Clinical Clerkship—General Nicholson and Staff
Pediatrics

General pediatric diseases and the newborn. Emphasis on history taking and physical examination. Daily ward rounds. Gallinger Municipal Hospital. Five students in rotation, two weeks.

- 359-60 Clinical Clerkship—Contagious Grosvenor and Staff Diseases

 Preventive and quarantine measures. Daily ward rounds and conferences. Gallinger Municipal Hospital. Five students in rotation, two weeks.
- 361-62 Clinical Conference

 Required in third year. Presentation and discussion of current patient problems. Gallinger Municipal Hospital. One hour weekly.
- 457-58 Clinical Clerkship McLendon and Staff
 Full time including assignment to night and holiday admissions. Case
 studies on wards under direct Resident supervision. Ward rounds
 with Staff and Residents. Childrens Hospital. Ten students, four
 weeks.
- Work in Medical and Specialty clinics including surgery, allergy, X-ray, child welfare, cardiology, dermatology, neurology, and child guidance. Childrens Hospital.
- 461-62 Clinico-pathological Conference McLendon and Staff Clinical and pathological discussion of recent patient history and laboratory data. Childrens Hospital.
- 463-64 Group Conferences McLendon and Staff
 Discussion of clinical problems of diagnosis and treatment of current
 patients. Childrens Hospital. Twice weekly.

PHARMACOLOGY

Paul Kenneth Smith, Ph.D., Professor of Pharmacology, Executive Officer

Erwin Ellis Nelson, M.D., Ph.D., Adjunct Clinical Professor of Pharmacology

Aldo Peter Truant, A.B., Instructor in Pharmacology

Celia White Tabor, A.B., M.D., Research Associate in Pharmacology Zelma Baker Miller, B.S., Ph.D., Research Associate in Pharmacology Jean Mayer, Ph.D., Research Associate in Pharmacology

- 261 Pharmacology

 Lectures and conferences concerning the interaction of drugs and biological systems as a basis for the rational therapy of disease. Five hours a week.
- 263 Pharmacology Laboratory

 Laboratory instruction and demonstrations designed to complement the above course. Five hours a week.
- 265 Chemotherapy

 Five lectures a week for three weeks. Designed for graduate students.
- 361-62 Pharmacological Research

 Primarily for those properly qualified graduate and medical students seeking careers in pharmacology. Hours and credits to be arranged.
- 363-64 Pharmacology Seminar (1-1) The Staff
 Recent advances in pharmacology. For those interested in pharmacological research. Two hours a week.
- 369-70 Clinical Pharmacology

 Discussions of the pharmacological basis of therapeutics. One hour a week.
- 479-80 Special Methods in Research

 A course to familiarize the student with advanced chemical and physiological methods employed in pharmacological investigations.

 Hours and credits to be arranged.

PHARMACY

Charles Watson Bliven, M.S., Professor of Pharmacy, Executive Officer William Paul Briggs, M.S., Sc.D., Professorial Lecturer in Pharmacy Jane Gass, M.S., Assistant Professor of Pharmacology and Pharma-

John Watson Schermerhorn, B.S. in Phar., Assistant Professor of Phar-

maceutical Chemistry

Carson Gray Frailey, A.B., LL.B., Lecturer on Pharmaceutical Law Harold Jerome Bobys, A.B., Lecturer on Pharmaceutical Administration Arthur William Jones, Phar.G., Instructor in Pharmacy

David Lucian Rice, B.S. in Phar., Instructor in Hospital Pharmacy Carmel Miriam Snow, B.S. in Phar., Instructor in Hospital Pharmacy

SEMINAR LECTURERS

James Johnson Durrett, M.S., Phar.G., M.D., Professorial Lecturer on Drug Control Problems Carson Peter Frailey, Phar.D., Sc.D., Professorial Lecturer on Indus-

trial Pharmacy

Frederick John Cullen, Phar.G., M.D., Professorial Lecturer on Drug Manufacture

James Albert Horton, LL.B., Professorial Lecturer on Drug Trade Regulations

John Christian Krantz, Jr., Ph.D., Professorial Lecturer on Pharmaceutical Research

Justin Lawrence Powers, Ph.D., Professorial Lecturer on Official Drug Standards

Robert Lee Swain, Phar.D., LL.B., Professorial Lecturer on Contemporary Pharmacy

George Potter Larrick, Professorial Lecturer on Drug Control Robert Philip Fischelis, B.S., Phar.D., Sc.D., Professorial Lecturer on Pharmaceutical Organizations

Minimum requirements for the degrees. - See pages 120-23.

FIRST GROUP

I Orientation in Pharmacy (1) A general survey of the field of pharmacy; organizations in the health Bliven professions; official compendia. Morning.

- 21-22 General Pharmacy (5-5) Bliven, Schermerhorn, Jones Essential pharmaceutical processes; the theory and manufacture of pharmaceopoeial and formulary galenical and inorganic chemical preparations; the pharmaceutical usage of certain classes of substances and preparations. Laboratory fee, \$12 a term. Lecture (3 hours)—morning; laboratory (6 hours)—afternoon.
 - 23 Pharmacognosy (3)

 Macroscopic and microscopic. Prerequisite: Botany t. Laboratory fee, \$7. Lecture (2 hours)—afternoon; laboratory (3 hours)—afternoon.
 - 24 History, Literature, and Ethics of Pharmacy Briggs
 (1)
 The development of the profession of pharmacy and the literature of pharmacy. Morning.
 - 25 Pharmaceutical Calculations (3) Bliven
 The system of weights and measures and their application in the
 practice of pharmacy. Morning.

SECOND GROUP

- 102 Dispensing Pharmacy (4)

 Compounding of typical prescriptions and a study of incompatibilities.

 Prerequisite: Pharmacy 22; concurrent registration: Pharmacy 110.

 Laboratory fee, \$12. Lecture (2 hours)—afternoon; laboratory (6 hours)—afternoon.
- 103 Dispensing Pharmacy (4) Briggs and Assistant Continuation of Pharmacy 102. Laboratory fee, \$12. Lecture (2 hours); laboratory (6 hours)—afternoon.
- The general principles of pharmacology; locally acting drugs; chemotherapeutic agents; antibiotics; antianemia drugs; endocrine drugs; vitamins. Prerequisite or concurrent registration: Physiology 115.

 Morning.
 - The financial records required in the operation of a pharmacy.

 Morning.
 - 110 Chemistry and Pharmacy of Medicinals Schermerhorn
 (3)
 A survey of the structural relationships, action, and uses of medicinals.
 Prerequisite or concurrent registration: Chemistry 152. Morning.
 - (3)
 A continuation of Pharmacy 110, including laboratory work on chemical properties of medicinals and on the assay of certain classes of drugs. Laboratory fee, \$12. Lecture (2 hours)—morning; laboratory (3 hours)—afternoon.

- 151 Advanced Pharmacognosy I (3)

 Microscopic. Prerequisite: Pharmacy 23. Laboratory fee, \$12. Time to be arranged.
- 165-66 Pharmacology II (3-3)

 Drugs acting on the central nervous system, the autonomic nervous system, and on specific tissues; toxicology; diagnostic drugs; biological assays. Prerequisite: Physiology 115 and 117; Pharmacy 106. Pharmacy 166, laboratory fee, \$12. Fall term: morning. Winter term: lecture (2 hours)—morning; laboratory (3 hours)—afternoon.
- 167-68 Pharmacology III (3-3)

 Laboratory work in pharmacological technique. Prerequisite: Pharmacy 106. Prerequisite or concurrent registration: Pharmacy 165.

 Laboratory fee, \$12 a term. Time to be arranged.
 - 172 Advanced Dispensing Pharmacy (2)

 The equipment and management of professional pharmacies and advanced dispensing. Prerequisite: Pharmacy 103. Laboratory fee, \$12.

 Time to be arranged.
 - 173 Quantitative Pharmaceutical Schermerhorn, Bliven
 Analysis (3)

 Drug analysis. Prerequisite: Chemistry 22. Laboratory fee, \$12.
 Lecture (1 hour); laboratory (6 hours). Time to be arranged.
 - 176 Pharmaceutical Law (2) C. G. Frailey
 - 178 Pharmacy Management (3)
 Policies and operations relating to the management of a pharmacy.
 Morning.
 - 181 Advanced Pharmacology I (2)

 Special problems in the field of pharmacology. Prerequisite or concurrent registration: Pharmacy 166. Time to be arranged.
 - 188 Survey (no credit)

 A symposium covering the various phases of pharmacy.

 Morning.
 - Organization and function of hospitals; organization and operation of a hospital pharmacy; professional and sickroom supplies; prescription practice in the University Hospital pharmacy. Prerequisite: Pharmacy 103. Lecture (1 hour)—morning; laboratory (3 hours)—time to be arranged.
 - The manufacture of bulk pharmaceuticals in the University Hospital pharmacy. Elective for seniors. Lecture (1 hour)—afternoon; laboratory (6 hours)—time to be arranged.

THIRD GROUP *

- 201-2 Survey of Pharmaceutical Literature (1-1)
 Assigned library research on the development of pharmaceutical literature.
- 213-14 Advanced Pharmacognosy II (2-2)
 Study of vegetable drugs, spices, and foods with special reference to identification and detection of adulteration. Laboratory fee, \$6 a term.
- 215-16 Advanced Pharmacology II (3-3)
 Special studies on biological assay methods. Laboratory fee, \$11 a term.
 - 222 Pharmaceutical Chemistry (2)
 A study of drugs by therapeutic classes; relationship of structure and action.
 - 224 Pharmaceutical Chemistry (2)

 The preparation of official and nonofficial chemical drugs. Laboratory fee, \$12.
 - 227 Food and Drug Analysis (4)
 A study of the composition of some common foods and food products. Laboratory fee, \$12.
 - 231 Pharmacology of Anesthetic Drugs (4)
 Theoretical consideration of the principles of anesthesiology and laboratory study of the action of anesthetic drugs. Laboratory fee, \$12.
 - 234 Pharmacology of Autonomic Drugs (4)
 A study of action and interaction of drugs principally influencing the autonomic nervous system. Laboratory fee, \$12.
 - 236 Experimental Toxicology (4)
 Pharmacological action of toxic drugs correlated with chemical and
 pathological studies. Laboratory fee, \$11.
- 251-52 Graduate Seminar (1-1).
 Current problems and trends in pharmacy.
- 295-96 Research (arr.)
 Investigations of special problems in the major field of study. Credits
 and fees to be arranged.
- 299-300 Thesis (3-3)
 Laboratory fee, \$14 a term.

The graduate courses, which are listed in the third group, will not be offered until September 1950.

PHILOSOPHY

Charles Edward Gauss, Mus.B., Ph.D., Elton Professor of Philosophy,
Executive Officer

Mary Carman Rose, A.M., Instructor in Philosophy

The major in Philosophy (Field-of-Study).—The major provides an opportunity for the student to become acquainted with the history and fields of philosophy and with the methods of philosophical analysis. For details see the pamphlet, which is available in the Office of the Dean of Columbian College, or consult the Executive Officer of the Department.

FIRST GROUP

51-52 Introduction to Philosophy (3-3)

A critical introduction to the problems of modern philosophy in relation to scientific and social developments since the Renaissance. Morning and evening sections. (Also offered 1949 summer term.)

Philosophy 51x—same as Philosophy 51, but offered winter term.

Morning.

SECOND GROUP

- History of Philosophy (3-3)
 History of western philosophy from Thales to Kant. Evening. (Also offered 1949 summer term.)
 - 113 History of Nineteenth and Twentieth Century Gauss
 Philosophy (3)
 Continuation of Philosophy 111-12. Prerequisite: Philosophy 111-12.
 Morning.
- The study of formal logic and the means of investigation and description employed in the sciences, theory of scientific inference and prediction. Evening.
 - An examination of ethical theories, the relation of ethics to social sciences and psychology. Morning.
 - 142 Metaphysics (3)
 The problems of metaphysics in the light of their developments into contemporary forms. (Not offered in 1949–50.)
 - 154 The Linguistic Approach to Philosophy (3)
 A critical study of philosophical doctrines stressing the dependence of thought upon language.
 Summer term 1949.

- The problems of appreciation and judgment in the arts, and of theories of the process of artistic creation. Emphasis on contemporary arts and criticism. (Not offered in 1949-50.)
- 171-72 American Philosophy (3-3)
 A general history of philosophy in the United States and its relation to European thought. Morning.
 - 180 Philosophy of History (3)

 Problems of historical knowledge and explanation. Critique of philosophies of history. Evening.
 - 193 Topics in Contemporary Philosophy (3) Gauss Intensive study of selected topic of moment in contemporary philosophy.

 Summer term 1949.
- 199-200 Proseminar: Readings for the Major (3-3) Gauss Conferences and group discussions. Time to be arranged.

THIRD GROUP

- 201-2 Readings and Research (3-3)

 Advanced readings and reports. Investigation of special problems.

 Time to be arranged.
- 211-12 Seminar (3-3)
 Topic to be announced. Time to be arranged.
- 299-300 Thesis (3-3) The Staff

PHYSICAL EDUCATION FOR MEN*

William Henry Myers, A.M., Professor of Physical Education for Men. Executive Officer

Cecil Wentworth Morgan, Ph.D., Professorial Lecturer in Physical

Joseph Henry Krupa, M.S., Associate Professor of Physical Education for Men

Raymond George Hanken, B.S. in P.E., Assistant Professor of Physical Education for Men

Vincent James DeAngelis, B.S. in P.E., A.M. in Ed., Assistant Professor of Physical Education for Men

Ralph Waldo Foster, A.M., Lecturer in Physical Education

Arthur David Zahn, A.B., Associate in Physical Education for Men John Howell Rowland, LL.B., Associate in Physical Education for Men Eugene Hughy Sherman, Sr., B.S., Associate in Physical Education for Men

This Department includes all the recognized athletic activities of the men students of the University.

Two years of physical education (Physical Education 1-2 and 11-12) are required of all men for graduation, except those students exempt under the regu-

lations stated on page 38.

Upon entering the University, all freshmen or other undergraduate students who have not fulfilled the physical education requirement are given a medical examination. Assignments for medical examinations will be given at the time of registration. The students who satisfy the requirements of the medical examination are then given a physical efficiency test in the general bodily skills of agility, endurance, and strength; and in swimming. If the physical efficiency test is passed, the student may elect from the following list of activities:

Setting-up Exercises (stretching exercises)

Body Building Exercises (gymnastic apparatus and weight lifting skills)

Competitive Exercises (modified games and sports) Swimming Exercises (distance, speed, and life saving)

If the physical efficiency test is not passed, the student will be assigned to a class for training in the above activities in the order listed.

The Department furnishes gymnasium uniforms and personal equipment upon a small payment.

Minimum requirements for the Dual-Major Teacher's Course. - See pages 129 and 131.

Minimum requirements for the Single-Major Teacher's Course .- See pages 129 and 132.

Minimum requirements for the Physical Education and Recreation Course .-See pages 129 and 139.

The University is not responsible for injuries received in inter-collegiate or intra-mural games, or in any of the activities of the departments of physical education.

Minimum requirements for the minor.—Prerequisite: Physical Education 42, 43-44, 45-46 (all of these courses may be satisfied by examination), 47, 49, 58. Required: twelve credit hours of second-group courses in physical education, including 103, 107, 113 or 114, and 138.

FIRST GROUP

- I-2 Freshman Physical Education* (2-2) The Staff
 Four periods of supervised activity a week. Locker and towel fee, \$2
 a term. Assignment for activities and time to be arranged.
- Four periods of supervised activity a week. Locker and towel fee, \$2 a term. Assignment for activities and time to be arranged.
 - 42 Aquatic Sports, Swimming, Lifesaving (2) Hanken
 Afternoon.
 Physical Education 42x—same as Physical Education 42, but offered
 fall term. Afternoon.
- 43-44 Techniques of Physical Education Motor The Staff Activities for Freshmen (2-2)
 A critical survey of the fundamental skills, rules, organization, appreciations, and attitudes in these activities. Afternoon.
- 45-46 Techniques of Physical Education Motor
 Activities for Sophomores (2-2)
 Morning.
 - 47 Introduction to Physical Education (2) Myers
 An orientation course presenting in elementary form the problems of
 physical education, vocational analysis, historical implication, scientific
 foundations, and scope of field. Morning.
 - 48 Introduction to Recreation (2)

 A course presenting in elementary form the various phases of this field; the role of recreation in modern living; current practices in community recreation work; standards of training, experience, and salary; types of leadership needed. Open to both men and women. Time to be arranged.
 - 49 Human Anatomy (3)

 The structure of the human body. Basic course for physical education students. Open to both men and women. Prerequisite: Biology 1-2 or Zoology 1-2. Morning.
 - 58 First Aid and Care of Athletic Injuries (2) Myers
 Prevention and emergency care of injuries of all types, with special
 reference to first aid, bandaging, and massage. A practical course.
 Prerequisite: Physical Education 49; Biology 1-2 or Zoology 1-2.
 Afternoon.

Physical Education 58x—same as Physical Education 58, but offered fall term. Afternoon.

Freshmen and sophomores in the School of Engineering are required to take two, instead
of four, periods of physical education a week for which they receive one, instead of two, credits
a term,

SECOND GROUP

- The significance of play in human growth and development; play activities for elementary schools and recreation programs. Open to both men and women. 1949-50 and alternate years, morning.
- 103 History and Principles of Physical

 Education (3)

 The interpretation of objectives of physical education activities under leadership, in terms of development, adjustment, and standards.

 Morning.
- 107 Introduction to Methods in Physical

 Education (2)

 Essential facts of education, psychology, and sociology, with special reference to the problem of method in physical education. Prerequisite: Biology 1-2 or Zoology 1-2; Psychology 1 and 22; Sociology 1 and 2. Afternoon.
- 109-10 Leadership Organization in the Intramural Program (2-2)

 Principles of administration, organization, and supervision of intramural activities in the physical-education program of the junior high schools, senior high schools, and colleges. Prerequisite: Physical Education 47 and 107. Afternoon.
- 113-14 Directed Teaching in Physical Education The Staff Activities (2-2)

 Practical demonstration of teaching procedures in adapting activities to the various problems in the secondary school organization. Prerequisite: a minimum of twelve credit hours in physical education; Physical Education 107. Time to be arranged.
- Teaching procedures in adapting major sport activities to the several age-period groups and to individual differences existing in the secondary school organization. Prerequisite: demonstration of a fair degree of skill in these various activities; Physical Education 107. Morning.
- The scientific procedures in adapting these various activities to a secondary school physical-education program. Prerequisite: demonstration of a fair degree of skill in these various activities; Physical Education 107. Afternoon.
 - 121 School and Community Health Programs (3) Dennis
 Health services, healthful environment, health instruction, sources of
 material for general health knowledge. Open to both men and women.
 Prerequisite: Biology 1-2 or Zoology 1-2. Evening.
 - 122 Methods and Materials of Health

 Education (3)

 Organization and presentation of health materials for each age level.

 Prerequisite: Biology 1-2 or Zoology 1-2. Open to both men and women. 1949-50 and alternate years, morning.

- 123 Psychological Analysis of Activities (2) Krupa A detailed analysis of the mental processes during participation in physical-education activities. Prerequisite: Psychology 1 and 22. (Not offered in 1949-50.)
- 124 Applied Anatomy and Physiology (3) Myers
 The anatomical and physiological effects of physical-education activity.
 Prerequisite: Physical Education 49; Physiology 115; Biology 1-2 or
 Zoology 1-2, Morning.
- 125 Kinesiology of Sports for the Physically Morgan Handicapped (3)

 Methods employed in the teaching of body mechanics which are adapted to the prevention and correction of physical disabilities. Prerequisite: Physical Education 49 and 124; Biology 1-2 or Zoology 1-2. Evening.
- Tests and Measurements in Physical Atwell
 Education (3)
 Critical survey of tests in physical activities; methods of test construction; elementary statistics. Open to both men and women.

 1949-50 and alternate years, morning.
- 132 Camp Leadership (1)
 Survey course in camp counseling. Open to both men and women.
 Afternoon.
- 133-34 Observation and Practice Teaching (3-3) Myers
 Required of every major student in the junior or senior year. Assignments are made to schools in Washington, D. C., and vicinity.
 Prerequisite: Education 131; Physical Education 113-14. Practice teaching fee, \$8 a credit hour. Time to be arranged.
 - 138 Administration and Organization of Physical Myers

 Education (3)

 The administration of a unified program; a study of physical education plants, athletic fields, and equipment. Prerequisite: Physical Education 47. Morning.
- 151-52 Group Leadership Activities (3-3) Foster Fall term: groups and their significance, group work principles and methods, professional and volunteer leaders, organization and development of programs. Winter term: application to social-recreational activities. 1949-50 and alternate years, evening.
- 153-54 Group Leadership Activities (3-3) Foster
 Fall term: organization and direction of physical recreation programs.
 Winter term: organization and direction of special recreational activities, such as arts and crafts, dramatics, group singing, and nature
 walks. 1950-51 and alternate years.
 - 161 Community Organization for Recreation (3)
 1950-51 and alternate years.

162 Administration and Supervision of Recreation (3)

THIRD GROUP

- Problems in Physical Education (3)
 For experienced teachers. Organization, supervision, and curriculum problems growing out of current issues; program planning policies; competition. 1950-51 and alternate years.
- Problems in Health Education (3)

 Health needs; policies and program planning; use of community resources; promising practices in the field. 1950-51 and alternate years.
- Planning the evaluation program; review of outcomes; analysis of tests and standards; administration and interpretation of tests; guidance. 1949-50 and alternate years, Saturday morning.
- 240 Physical Education for the Atypical (3) Morgan
 Adaptations of activities to meet the special needs of students with
 physical disabilities resulting from such conditions as postural deviations, cardiac irregularities, operations, and poliomyelitis. 1949-50 and
 alternate years, Saturday morning.

PHYSICAL EDUCATION FOR WOMEN*

Ruth Harriet Atwell, A.M., Professor of Physical Education for Women, Executive Officer

Bernath Eugene Phillips, Ph.D., Professorial Lecturer in Physical Edu-

Helen Bennett Lawrence, A.M., Associate Professor of Physical Education for Women

Elizabeth Burtner, A.M., Associate Professor of Physical Education for Women

Virginia Loretta Dennis, A.M., Assistant Professor of Physical Education for Women

Marjorie Tate, A.M., Assistant Professor of Physical Education for Women

Catharine Watkins Prentiss, B.S., Instructor in Physical Education for Women

Helen Taylor Harris, A.M., Associate in Physical Education for Women Louise Packer Seager, Associate in Physical Education for Women

Two years of physical education (Physical Education 1-2 and 11-12) are required of all women for graduation, except of students exempt under the regulations stated on page 38. In the fall a complete medical and physical examination is given each student for the purpose of discovering individual needs. Those students whose examinations indicate the desirability of remedial or restricted activity are assigned to a program especially adapted to their needs. This limited program includes moderate sports and individual exercises in small groups under careful supervision.

The required costume for physical education classes may be purchased at the

Student Club.

Minimum requirements for the major.—For the first two years in Junior College see page 61. For the last two years in the School of Education see pages 132-33. Students desiring to prepare themselves to teach another subject in addition to physical education may do so by choosing their elective hours in one subject-matter field with the advice of the Dean of the School of Education.

FIRST GROUP

1-2 Freshman Physical Education (1-1) The Staff
One period of fundamentals of health, physical education, and recreation, and two periods of activity a week.

Fundamentals of health, physical education, and recreation; study of the factors involved in the maintenance of health and in the efficient use of the body, and practice in activities adapted for leisure time. Morning and afternoon sections.

Activities: soccer, riding, field hockey, folk and square dance, modern dance, bowling, ice skating, roller skating, basketball, badminton,

^{*} The University is not responsible for injuries received in inter-collegiate or intra-mural games, or in any of the activities of the departments of physical education.

individual body mechanics, swimming, tennis, softball, archery, golf, canoeing. Locker and towel fee, \$2 a term. Morning and afternoon sections.

- 11-12 Sophomore Physical Education (1-1) The Staff
 Activities: same as Physical Education 1-2. Locker and towel fee,
 \$2 a term. Two periods a week; morning and afternoon sections.
- 13-14 Skill Techniques in Physical Education

 Activities (2-2)

 Practice in basic motor skills for prospective teachers in the following:
 (1) team sports—field hockey, soccer, basketball, and softball; (2) dance—folk, square, and modern; (3) body mechanics; (4) individual and dual sports—swimming, tennis, golf, badminton, archery. Programs are arranged according to individual needs. Locker and towel fee, \$2 a term. Afternoon.
- 15-16 Methods of Teaching Physical Education The Staff Activities (2-2)

 (a) Team Sports: teaching procedures, organization, and equipment;
 (b) Recreational Dance: methods and materials for teaching folk, square, and social dance. Locker and towel fee, \$2 a term.
 - 18 Kinesiology (3)

 A study of the anatomical mechanism of movement, analysis of the action of the muscles in physical education activities. Open to both men and women. Prerequisite: an approved course in anatomy. Morning.
 - 48 Introduction to Recreation (2) Myers
 A course presenting in elementary form the various phases of this
 field; the role of recreation in modern living; current practices in community recreation work; standards of training, experience, and salary;
 types of leadership needed. Open to both men and women. Time to
 be arranged.
 - The structure of the human body. Basic course for physical education majors. Also open to both men and women not majoring in Physical Education. Prerequisite: Biology 1-2 or Zoology 1-2. Morning.

SECOND GROUP

- 102 Play in Education and Recreation (3) Atwell
 The significance of play in human growth and development, play
 activities for elementary schools and recreation programs. Open to
 both men and women. 1949–50 and alternate years, morning.
- 103 History and Principles of Physical Atwell
 Education (2)
 1950-51 and alternate years, morning.

The locker and towel fee is required for registration in one or more of the activity courses.

105-6 Therapeutic and Remedial Physical Educa- Lawrence tion and Physical Examinations (3-3)

Cause and correction of faulty body mechanics and other abnormal physical conditions, physical examination methods used in the diagnosis of physical defects, program adaptation to special cases. Prerequisite: Biology 1–2 or Zoology 1–2. Morning.

111-12 Methods of Teaching Physical Education The Staff
Activities (2-2)

(a) Individual and Dual Sports: teaching procedures, organization and equipment; (b) Modern Dance; methods and materials for teaching Modern Dance, dance composition. Locker and towel fee, \$2 a term. Afternoon.

119-20 Problems in Teaching Physical Education The Staff
Activities (2-2)

Advanced material for the teaching of physical education with opportunity for specialization in sports or in dance. (a) Teaching and officiating in individual, dual, and team sports; (b) Advanced technique, projects in teaching and production in the dance. Locker and towel fee, \$2 a term. Afternoon.

- 121 School and Community Health Programs (3) Dennis Health services, healthful environment, health instruction, sources of material for general health knowledge. Open to both men and women. Prerequisite: Biology 1-2 or Zoology 1-2. Evening.
- 122 Methods and Materials of Health Dennis
 Instruction (3)

Organization and presentation of health materials for each age level. Prerequisite: Biology 1-2 or Zoology 1-2. Open to both men and women. 1949-50 and alternate years, morning.

130 Clinical Work in Therapeutic and Remedial Lawrence
Physical Education (3)

Practice in giving physical examinations, analysis of results, prescription and teaching of corrective exercises; observation in orthopedic clinics in city; first aid and care of athletic injuries, with instruction in bandaging and massage. Prerequisite: Physical Education 18, 49, and 105–6, Biology 1–2 or Zoology 1–2. Time to be arranged.

131 Tests and Measurements in Physical Atwell
Education (3)

Critical survey of tests in physical activities; methods of test construction; elementary statistics. Open to both men and women. 1949-50 and alternate years, morning.

132 Camp Leadership (1)
Survey course in camp counseling. Open to both men and women.
Afternoon.

[.] The locker and towel fee is required for registration in one or more of the activity courses.

- Directed teaching with weekly conferences in junior and senior high schools. Physical Education 134, practice teaching fee, \$8 a credit hour. Time to be arranged.
- 135-36 Survey of Dance History and Dance Forms

 (3-3)

 Primitive, Greek, medieval, pre-classic, romantic, and modern periods. Traditional forms, such as polka, schottische, mazurka, and waltz. Fundamental movement techniques, composition and discussion. Designed for students interested in art, drama, and dance.
 - Organization of Physical Education (3) Atwell Organization and administration of physical education in elementary and secondary schools and colleges. Prerequisite: Physical Education 103. 1950-51 and alternate years.
- Fall term: groups and their significance, group work principles and methods, professional and volunteer leaders, organization and development of programs. Winter term: application to social-recreational activities. 1949-50 and alternate years, evening.
- 153-54 Group Leadership Activities (3-3) Foster
 Fall term: organization and direction of physical recreation programs.
 Winter term: organization and direction of special recreational activities, such as arts and crafts, dramatics, group singing, and nature walks. 1950-51 and alternate years.
 - 161 Community Organization for Recreation (3)
 1950-51 and alternate years.
 - 162 Administration and Supervision of Recreation (3) 1950-51 and alternate years.

THIRD GROUP

- For experienced teachers. Organization, supervision, and curriculum problems growing out of current issues; program planning policies; competition. 1950-51 and alternate years.
- 220 Problems in Health Education (3)
 Health needs, policies and program planning, use of community resources, promising practices in the field. 1950-51 and alternate years.
- Planning the evaluation program, review of outcomes, analysis of tests and standards, administration and interpretation of tests, guidance. 1949-50 and alternate years, Saturday morning.
- Adaptations of activities to meet the special needs of students with physical disabilities resulting from such conditions as postural deviations, cardiac irregularities, operations, and poliomyelitis. 1949-50 and alternate years, Saturday morning.

PHYSICAL MEDICINE

Charles Samuel Wise, B.S., M.D., Associate Professor of Physical Medicine, Executive Officer

Dorothy Emily Voss, Ed.B., R.P.T.T., Instruction in Physical Medicine
Jasper Wayne McFarland, M.D., Clinical Instructor in Physical
Medicine

- 150 Elements of Physical Medicine

 Lectures and demonstrations of the various tests and mea urements employed in evaluation of physical disability. Emphasis is placed on normal and abnormal peripheral nerve testing (electrodiannesis), muscle testing, joint range and other physical disability measurements.
- 351-52 Advanced Physical Medicine

 Lectures and demonstrations concerning the various techniques, clinical applications of physical medicine, and rehabilitation to be integrated with the teaching of the associated medical and surgical specialties.
- 467-68 Clinical Studies

 Clinical teaching and demonstration at the University Hospital.
 - 485 Research
 Hours to be arranged.

 The Staff

PHYSICS

Thomas Benjamin Brown, Ph.D., Professor of Physics, Executive Officer Walter Lynn Cheney, Ph.D., Professor of Physics
*George Antony Gamow, Physics D., Professor of Theoretical Physics David Bulkley Langmuir, Ph.D., Professorial Lecturer in Physics George Martin Koehl, A.M., Associate Professor of Physics Robert Randal Meijer, Ph.D., Associate Professor of Physics

Jean McQuiston Coover, A.M. in Ed., Instructor in Physics
Arthur Castner Christman, Jr., B.S., Instructor in Physics
Robert Malcolm Stewart, B.S., Instructor in Physics
John Ettinger Tompkins, A.B., Associate in Physics
Thomas Arthur Wiggins, B.S., Associate in Physics
Charles Ravitsky, M.S. in Ed., Associate in Physics
Albert Prentice Kenyon, A.M., Associate in Physics
Philip Krupen, A.M., Associate in Physics
John Newell Tevis, A.M., Associate in Physics
Walter Louis Asling, A.M., Associate in Physics

The major in Physics (Departmental).—Prerequisite: Physics 6, 7, 8, and 55; Chemistry 21; Mathematics 19 and 20. Required for the Bachelor of Arts degree: Physics 101, 102, 105, 106, 113-14, and 155 or 156; Mathematics 132. Required for Bachelor of Science degree: same as for the Bachelor of Arts degree, plus Mathematics 171.

FIRST GROUP

5 General Physics (3)

Koehl and Staff
Introduction to the scientific method as used in the study of energy
and forces; physical properties of solids, liquids, and gases; phenomena
of heat and light. Prerequisite: high school algebra and plane
geometry. Material fee, \$6. Lecture (1 hour); recitation (1 hour);
laboratory (2½ hours). Morning, afternoon, and evening sections.

Physics 5x—same as Physics 5, but offered winter term. Lecture (1 hour)—morning and evening sections; recitation (1 hour)—morning, afternoon, and evening sections; laboratory (2½ hours)—morning, afternoon, and evening sections.

6 General Physics (3)

Mechanics, wave-motion, sound, and optical instruments. Offered winter term. Prerequisite: Physics 5‡; high school algebra and plane geometry. Material fee, \$6. Lecture (1 hour); recitation (1 hour); laboratory (2½ hours). Morning, afternoon, and evening sections. (Also offered 1949 summer term.)

Leave of absence fall term 1949.
 This presequisite may be waived for students who have credit for a high school physics course which included indiradual laboratory work, providing they pass the qualifying examination given at the dates specified in the University calendar.

- 7 General Physics (3)

 Elementary electricity and magnetism. Offered fall term. Prerequisite: Physics 5°; high school algebra and plane geometry. Material fee, \$6. Lecture (1 hour); recitation (1 hour); laboratory (2½ hours). Morning, afternoon, and evening sections. (Also offered 1949 summer term.)
- 8 General Physics (3) Brown. Meijer, and Staff Foundations of Modern Physics.—The experimental evidence concerning light waves and quanta, X-rays, and radiowaves; electrons, protons, and other elementary particles; atomic and molecular structure; and nuclear physics. Prerequisite: Physics 6 and 7. Morning and evening sections. (Also offered 1949 summer term.)
- Theory and use of the methods of precise measurement in the several fields of physics. Prerequisite: Physics 6 and 7. Prerequisite or concurrent registration: Mathematics 19. Material fee, \$6. Lecture (1 hour)—afternoon and evening sections; laboratory (2½ hours)—morning, afternoon, and evening sections. (Also offered 1949 summer term.)

SECOND GROUP

- Statics, clasticity, dynamics of solids and fluids, and gravitation.

 Prerequisite: Physics 6; Mathematics 20. Evening.
- 102 Heat and Thermodynamics (3) (formerly 122) Cheney
 Thermometry, calorimetry, heat conduction, the laws of thermodynamics with application to physical systems. Prerequisite: Physics
 8; Mathematics 20. Evening.
- Fundamental phenomena of electricity (3) (formerly 125) Cheney Fundamental phenomena of electricity and magnetism; circuit theory, including elementary alternating-current circuits; terrestrial magnetism; atmospheric electricity. Prerequisite: Physics 8; Mathematics 20. Morning.
- Geometrical optics; elementary theory of wave motions; interference, diffraction, polarization, and dispersion of light; laws of black-body radiation. Prerequisite: Physics 8; Mathematics 20. Morning.
- Constituent particles of matter, properties of the electron, photoelectric effect, X-rays, elements of the quantum theory, spectra and
 structure of atoms and molecules, and introduction to statistical
 physics. Prerequisite: Physics 8; Mathematics 20. Morning and evening sections.

[•] This prerequisite may be waived for students who have credit for a high school physics course which included indicadual laboratory work, providing they pass the qualifying examination given at the dates specified in the University calendar.

- 123x Nuclear Physics (3)
 Radioactivity, nuclear transformations, new particles; astrophysical applications. Prerequisite: Physics 113-14. Evening.
- Production, propagation, and detection of sound waves; vibrations of sounding bodies; acoustic instruments and acoustic measurements.

 Prerequisite: Physics 8; Mathematics 20.

 Summer term 1949.
- 132 Electronics (3)

 The phenomena of electron emission from solids; the physical properties of electron tubes, and the principles underlying their basic applications. Prerequisite: Physics 8 and 55, and Physics 105 or Electrical Engineering 10. Material fee. 86. Lecture (2 hours), laboratory (2 hours)—afternoon and evening sections.
- A continuation of Physics 132. Includes basic radiofrequency applications of electron tubes, and special types of tubes such as klystrons, resnatrons, and magnetrons. Lectures and problems. Prerequisite: Physics 132; Electrical Engineering 107. Evening.
- 155-56 Advanced Physical Measurements (3-3) Brown
 Optional programs of experiments in electricity and magnetism, optics,
 or atomic physics. Corresponding prerequisites are Physics 105, 106, or
 113. In addition, Physics 55 is a general prerequisite. Material fee,
 \$6. Afternoon and Saturday sections.

THIRD GROUP

- Fall term: dynamics of systems of particles and of rigid bodies; generalized coordinates. Winter term: dynamics of elastic bodies and fluids; electromagnetic field theory. Prerequisite: Physics 101, 102, and 105; Mathematics 132 and 171. Evening.
- 213-14 Electromagnetic Radiation (3-3)

 Electromagnetic theory as applied to light and radio waves, with especial consideration given to "micro-waves". Prerequisite: Physics 105 and Mathematics 132, or the equivalent. Evening.
 - Theory and experimental techniques connected with the principal properties of the various solid types. Topics to be discussed include the structure of solids, their thermal and mechanical properties, the electronic behavior of metals, semiconductors, etc., and the magnetic and optical properties of solids. Prerequisite: Physics 113-14. (Not offered in 1949-50.)
- 221-22 Quantum Mechanics (3-3)

 Formulation and application of laws holding within the atom, the relation of these laws to those of classical physics. Prerequisite: Physics 113-14 and 211-12. Evening.

- Emission of electrons; behavior of electrons in free spaces; behavior in axial fields, as in electron-optics, effects of time variable. Prerequisite: Physics 132; Mathematics 132. (Not offered in 1949-50.)
- 255-56 Advanced Laboratory (3-3)

 Special topics. One term of this course is required of all Master's candidates in physics. Not open to undergraduates. Material fee, \$6 a term. Afternoon and Saturday sections.
 - 266 Relativity and Gravitational Theory (3) Gamow Basic principles, relativistic mechanics and electrodynamics, theory of gravitation, cosmology. Prerequisite: Physics 211–12. (Not offered in 1949–50.)
 - 275 Structure of Stars (3) Gamow Prerequisite: Physics 123 and 221. (Not offered in 1949-50.)
- 291-92 Seminar: Recent Developments in Cheney and Staff Physics (1-1)
 Individual investigations of special problems. All students registered for a Master's degree in physics are expected to attend this seminar during residence for the degree, and to take part in its programs. Credit for participation in the seminar work may be obtained by registering for this course during the last two terms of residence; this credit, however, is based upon the seminar work during the entire period of residence. Alternate weeks, evening.

299-300 Thesis (3-3)

The Staff

PHYSIOLOGY

Errett Cyril Albritton, A.B., M.D., Professor of Physiology, Executive

Chester Elwood Leese, Ph.D., Professor of Physiology Abraham Dury, Ph.D., Assistant Professor of Physiology

- Leese and Staff
 Lectures for academic students covering the fundamentals of physiology in its various subdivisions. Prerequisites: one year of general science or one term of a biological science. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Tues. and Thurs., 5:10 to 6:25 p.m.
- Laboratory exercises in the fundamentals of physiology, for academic students. Prerequisite or concurrent registration: Physiology 115 or the equivalent. Material fee, \$12. Sat., 10:10 A.M. to 1:00 P.M.
- The circulatory, metabolic, reproductive, growth, and other adaptations, immediate and long term, accompanying and affecting endocrine activity. May be taken for two credits with additional work. Prerequisite: Physiology 115 or the equivalent. Tues. and Thurs., 5:10 P.M.
- 130 The Psycho-physiology of Personality (2) Leese Lectures on the genesis and expression or personality, with emphasis on the physiological approach. Prerequisite: Physiology 115 or the equivalent and general psychology. Tues. and Thurs., 6:10 P.M.
- One hundred physiological lectures and one hundred thirty laboratory hours devoted to the major divisions of the subject. For Medical Students.
- Design of controlled experiments in medical or biological investigation; errors in design; criticism and judgment of evidence, and tests of the statistical significance of experimental results. Sat., 12:00 to
- 169-70 Problems in Physiology
 Hours and credits to be arranged.

 Albritton and Staff
- 179-80 Physiology Seminar (1-1)
 Weekly throughout the year.

 The Staff
 - 231 Advanced Physiology of Albritton and Staff Circulation and Respiration (2)
 Lectures on blood, heart, circulation, respiration, and acid-base balance. Two hours a week, to be arranged.

234 Advanced Physiology of Nutrition, Dury and Staff

Metabolism, and Excretion (2)

Lectures on nutrition, digestion, metabolism, excretion, temperature regulation, and water balance. Two hours a week, to be arranged.

236 Advanced Physiology of the Endocrine Dury and Staff Glands and Reproduction (1)

Lectures on ductless glands, hormones, humoral agents, and reproduction. One hour a week, to be arranged.

Advanced Physiology of the Neuro- Leese and Staff Muscular System (2)

Lectures on sensory reception, central nervous processes, somatic and visceral motor activity, and the behavior of smooth and striped muscle. Two hours a week, to be arranged.

240 Advanced Experimental Physiology (3) The Staff Laboratory work only. Correlated with the lectures in courses 231-238. Material fee, \$25. Nine hours a week, to be arranged.

295-96 Research
Hours and credits to be arranged.

Albritton, Leese, and Staff

299-300 Thesis (3-3)

Albritton, Leese

POLITICAL SCIENCE

Warren Reed West, Ph.D., Professor of Political Science
John Albert Tillema, Ph.D., LL.M., S.J.D., Professor of Political
Science

John Withrow Brewer, Ph.D., Professor of International Law, Executive Officer

William Crane Johnstone, Jr., Ph.D., Professorial Lecturer in Political Science

Elmer Boyd Staats, Ph.D., Professorial Lecturer on Public Administra-

Wolfgang Herbert Kraus, Dr. Jur., S.J.D., Associate Professor of Political Science

Allen Dailey Manvel, A.B., Lecturer on Public Administration
Fred Latimer Hadsel, Ph.D., Lecturer in Political Science
William George Torpey, Ph.D., Lecturer on Public Administration
Floyd Millard Riddick, Ph.D., Lecturer in Political Science
Thomas Ewing Cotner, Ph.D., Lecturer in Political Science
Jonathan Stoddart, A.M., Instructor in Political Science

Minimum requirements for the major in Political Science (Departmental).—Prerequisite: Political Science 9-10. Required: twenty-four credit hours from the following groups distributed as follows: six hours from Group A; six hours from Group B; six hours from Group A, B, or C; six hours from Group A, B, C, or D.

Group A: Political Science 111, 112, 117-18, 121-22. Group B: Political Science, 171, 172, 181-82. Group C: Political Science 115, 116, 124, 141, 151-52, 161-62, 175-76, 191, 194. Group D: Political Science 127, 128, 129, 130.

Students interested in preparing for graduate work in Public Administration will consult the Executive Officer of the Department for modifications of the above requirements.

FIRST GROUP

9-10 Government of the United States* (3-3) The Staff Morning and evening sections. (Also offered 1949 summer term.)

SECOND GROUP *

111 The Governments of Europe: England, France, and Switzerland (3) Morning. (Also offered 1949 summer term.)

Kraus

^{*} Political Science 9-10 is prerequisite to all second-group courses.

4/4	0007700	
112	The Governments of Europe: Soviet Union, Germany, and Italy (3) Morning.	Kraus
115	Municipal Government (3) Evening.	
116	Political Parties (3) Evening.	
117-18	Political Theory (3-3) Morning. (Also offered 1949 summer term—Political Science	Kraus 118 (3).)
121-22	The Constitution of the United States (3-3) Evening. (Also offered 1949 summer term—Political Science	West
124	Legislative Organization (3) Morning.	Riddick
127	Commercial Law: Contracts, Agency, and Bailments (3) Morning and evening sections. (Also offered 1949 summer	Tillema
128	Commercial Law: Negotiable Instruments, Property, Sales, Mortgages (3) Morning and evening sections. (Also offered 1949 summer t	Tillema
129	Law in Relation to the Form of Business Units (3) Morning. (Also offered 1949 summer term.) Political Science 129x—same as Political Science 129, 1 winter term. Evening.	Tillema
130	Maritime Law (3) Morning.	Tillema
141x	The Development of Legal Institutions (3) Morning.	Brewer
151-52	Public Administration (3-3) Morning. (Also offered 1949 summer term—Political Science	151 (3).)
161-62	Administrative Law (3-3) Evening.	Tillema
171	International Politics (3) Morning and evening sections. (Also offered 1949 summer	Stoddart term.)
172	International Organization: the United Nations (3) Morning and evening sections. (Also offered 1949 summer	Stoddart
175	International Politics in the Western Hemisphere (3) Evening.	Stoddart

176	Current Trends in Latin American Politics and Government (3) Evening.	Stoddart						
	International Law (3-3) Morning and evening sections. (Also offered 1949 summer	Brewer						
191	Government and Politics in the Middle East (3) Evening.							
194	Far Eastern Politics: Contemporary Inter- national Relations in the Pacific Area (3) Evening.							
199–200	Proseminar: Readings for International Relations Major (3-3)	Stoddart						
	Open only to Columbian College majors in this field.	Time to be						
THIRD GROUP								
209-10	Seminar: the Legislative Process (3-3) Afternoon.	West						
212	Seminar: Comparative Government (3) Evening.	Kraus						
213	Reading Course in Comparative Government (3) Time to be arranged.	Kraus						
	Seminar: Political Theory (3) Evening.	Kraus						
220	Reading Course in Political Theory (3) Time to be arranged.	Kraus						
	Seminar: Personnel Administration (3) Evening.	Torpey						
*240	Seminar: Problems in Personnel Management (3) Evening. (Also offered 1949 summer term.)	Тогреу						
*252	Budgetary and Financial Administration (3) Evening.	Manvel						
*253	Staff Functions in Government Administra- tion (3) Evening.	Manvel						
*255	Seminar: Principles and Problems of Adminis- tration (3) Evening.	Staats						

^{*} Primarily for majors in the School of Government.

*260	mental	Administration Programs (3)	s of	Major	Govern-	Staats
	Evening.					

- 271-72 Problems in International Politics and Organi-Hadsel zation (3-3)

 Evening. (Also offered 1949 summer term—Political Science 272 (3).)
 - *273 Seminar: International Administration (3) Hadsel (Not offered in 1949-50.)
 - *274 Seminar: Objectives and Methods of Schoenfeld Foreign Policy (3)
 Evening.
- 277-78 Seminar: Latin American Politics and Government (3-3) Evening.
 - *279 Reading Course in International Affairs (3) Hadsel Time to be arranged.
- 281-82 Seminar: International Law and Relations Brewer
 (3-3)
 Evening. (Also offered 1949 summer term—Political Science 281 (3).)
- 293-94 Seminar: International Politics and Govern- Johnstone ment in the Pacific Area (3-3)
 (Political Science 294—Evening. Political Science 293 not offered in 1949-50.)
 - 295 Reading Course in Far Eastern Politics and Johnstone Governments (3) Evening.
- 299-300 Thesis (3-3)

The Staff

[·] Primarily for majors in the School of Government.

PSYCHIATRY

Winfred Overholser, A.B., M.D., Sc.D., Professor of Psychiatry, Executive Officer

Roscoe Willis Hall, Ph.B., M.D., Clinical Professor of Psychiatry
Solomon Katzenelbogen, M.D., Clinical Professor of Psychiatry
Addison McGuire Duval, M.D., Clinical Professor of Psychiatry
Sidney Berman, B.S., M.D., Assistant Clinical Professor of Psychiatry
Morris Kleinerman, Ch.D., M.B., Assistant Clinical Professor of Psychiatry

Harriet Elizabeth Twombly, A.B., M.D., Associate in Psychiatry Samuel Alexander Silk, Phar.G., M.D., Associate in Psychiatry Edgar Deucher Griffin, A.B., M.D., Associate in Psychiatry Isabelle Kendig, Ph.D., Associate in Psychiatry Henry Prather Laughlin, B.S., M.D., Associate in Psychiatry Marshall deGraffenried Ruffin, B.S., M.D., Associate in Psychiatry William Green Cushard, M.D., Clinical Instructor in Psychiatry

- An orientation course in the anatomical, physiological, and psychological growth and development of personality. Consideration of characteristics of structure, function, and development of the psyche leading to normal behavior as a basis for the study of the pathological. Evaluation of interpersonal relationships. One hour a week.
- 178 Psychopathology

 Manifestations and understanding of various mental mechanisms and abnormal reaction-types, preceded by history of development of psychopathology and illustrated with case material. One hour a week.
- 266 Psychiatry
 History, etiology, symptoms, course, and treatment of the major psychoses with emphasis on the dynamics involving the person as a whole. One hour a week.
- 268 Demonstration Clinics

 Presentation of clinical cases of major mental illnesses and primary behavior disturbances, correlating with Psychiatry 266. Each student examines patients under supervision. Three hours a week. St. Elizabeths Hospital.
- 271 Psychosomatic Aspects of General Katzenelbogen Medicine
 Somatic disorders of functional origin versus organic structural discords. The role of personality reactions in somatic disorders (illustrative cases). One hour a week.

- 324 Psychoneurosis

 Etiology, psychopathology, clinical aspects, and treatment of various types of psychoneuroses. One hour a week for twelve weeks. Medical Conference Room, Gallinger Hospital.
- Psychological Techniques in Psychiatric Kendig Practice
 Discussion of psychological concepts and tools available for determination of intellectual level, personality structure, functional impairment, and organic deterioration. One hour a week for four weeks. Medical Conference Room, Gallinger Hospital.
- 231-32 Clinical Clerkship
 Under supervision, each student conducts mental and physical examinations of patients, works up and presents his cases for discussion and conclusion. Two-week assignments by section. Gallinger Hospital.
- 431-32 Clinical Clerkship Duval, Kleinerman, Laughlin, Ruffin Supervised examination, diagnosis, and treatment of ambulatory borderline cases. Conferences for discussion of cases. Clinical application of psychiatric principles to general medical practice is stressed. Three hours twice weekly, in rotation. University Hospital Outpatient Psychiatric Clinic.

PSYCHOLOGY

Mitchell Dreese, Ph.D., Professor of Educational Psychology
Thelma Hunt, Ph.D., M.D., Professor of Psychology, Executive Officer
*Henry Furness Hubbard, Ph.D., Adjunct Professor of Psychology
Clarence Daniel Leatherman, Ph.D., Professorial Lecturer in Psychology
Curtis Edward Tuthill, Ph.D., Associate Professor of Psychology
Willard Caldwell, Ph.D., Assistant Professor of Psychology
John Todd Wilson, Ph.D., Assistant Professor of Psychology
Ewing Lakin Phillips, Ph.D., Assistant Professor of Psychology
James Mosel, A.M., Assistant Professor of Psychology
John Bissell Carroll, Ph.D., Lecturer in Psychology
Margaret Ives, Ph.D., Lecturer in Psychology
Edwin Wallace Davis, Ph.D., Lecturer in Psychology

Minimum requirements for the major in Psychology (Departmental).—Psychology 1, 2 or 22, 29 or 151, 98, 131, 191, and 196: Physiology 115; Statistics 53 and nine credit hours elective in psychology or closely related fields or departments, if specifically approved in advance by the Department of Psychology.

For requirements for graduate degrees, consult the Executive Officer.

FIRST GROUP

- I General Psychology (3) The Staff
 The fundamental principles underlying human behavior. Morning, afternoon, and evening sections. (Also offered 1949 summer term.)
 Psychology 1x—same as Psychology 1, but offered winter term.
 Morning and evening sections.
- The applications of psychology in business, industry, medicine, law, guidance, education, and social problems. Morning and evening sections. (Also offered 1949 summer term.)

 Psychology 2x—same as Psychology 2, but offered fall term. Morning and evening sections.
- 22 Introduction to Educational Psychology (3) Wilson Consideration of individual and group differences, adjustments, and the psychology of learning in relation to education and training. Morning. (Also offered 1949 summer term.)

 Psychology 22x—same as Psychology 22, but offered fall term. Evening.

^{*} On leave of absence 1949-50.

[‡] Psychology t is prerequisite to all other courses in Psychology.

29 Child Psychology (3)

A genetic approach to the study of the child. Evening. (Also offered 1949 summer term.)

Psychology 29x—same as Psychology 29, but offered winter term.

Morning.

98 Abnormal Psychology (3)

The causes, diagnosis, treatment, and prevention of the various types of maladjustments and mental disorders. Prerequisite: 6 credits in psychology, or 3 credits in psychology and 6 credits in a biological science. Morning. (Also offered 1949 summer term.)

Psychology 98x—same as Psychology 98, but offered fall term.

Morning and evening sections.

SECOND GROUP *

121 Educational Psychology (3)

Advanced course in educational psychology. Open each term on the individual study plan to a limited number of students. Time to be arranged.

129 Introduction to Educational and Vocational Dreese
Guidance (3)

Evening.

131 Psychological Tests (3)

A survey of psychological tests and their more common uses in business, industry, government, law, medicine, and education. Material fee, \$2.25. Morning. (Also offered 1949 summer term.)

Psychology 131x—same as Psychology 131, but offered winter term. Evening.

The applications of psychology to personnel work in education, business, industry, and government. Morning. (Also offered 1949 summer term.)

Psychology 144x—same as Psychology 144, but offered fall term.

Evening.

151 Social Psychology (3)

The social foundations of attitudes and behavior. Individual adjustment to group situations, such as the family, school, fraternity, and occupation. The psychological bases of race prejudice, nationalism, and war. Morning. (Also offered 1949 summer term.)

Psychology 151x—same as Psychology 151, but offered winter term.

Evening.

156 Psychology of Public Opinion (3)
Afternoon, (Also offered 1949 summer term.)

162x Comparative Psychology (3)

A survey of psychological processes in infrahuman organisms, with special emphasis on the evolution of animal behavior from the lowest forms to man. Accompanied by laboratory work. Material fee, \$6.

Tuthill

^{*} Six credits in first group courses are prerequisite to all second group courses.

- 171 Psychology of Personality (3)

 Contemporary approaches to the study of personality. Prerequisite:
 12 credits in psychology, including Abnormal Psychology. Afternoon and evening sections. (Also offered 1949 summer term.)
- Tuthill
 The application of experimental methods to various psychological problems. Prerequisite: 12 credits in psychology. Material fee, \$6.

 Afternoon.
 Psychology 191x—same as Psychology 191, but offered winter
- Opportunity for work on individual experimental projects. Prerequisite: Psychology 191. Open each term to a small number of students by permission of the instructor. Time to be arranged.

term. Afternoon and evening sections.

- 193-94 Readings in Psychology (3-3)

 Supervised readings on specific topics in psychology; with conferences; for undergraduate majors. Open only to seniors with 18 or more credits in psychology with a quality point index of 3.00 or higher. Special permission of staff member under whom course is to be taken is necessary. Time to be arranged. (Also offered 1949 summer term.)
 - A survey of the contemporary schools of psychology.

 A survey of the contemporary schools of psychology.

 Prerequisite:
 12 credits in psychology. Morning and evening sections. (Also offered 1949 summer term.)

THIRD GROUP *

- 201x Seminar: Advanced General Psychology (3) Carroll General review of the field for graduate students with an intensive study of selected problems. Required in all graduate programs. Evening.
- Psychological Research Methods and Procedures (3)
 Required of all Master of Arts candidates in psychology. Prerequisites: Experiment Psychology and Statistics. Evening.
 Psychology 202x—same as Psychology 202, but offered fall term. Evening.
- 205-6 Field Work in Psychology (3-3)

 The Staff
 Supervised field work in agencies providing psychological service.

 Admission by permission of the Executive Officer of the Department.

 Time to be arranged. (Also offered 1949 summer term.)
- 207-8 Readings in Psychology for Graduate

 Students (3-3)

 Supervised readings with conferences on specified topics in psychology.

 Time to be arranged. (Also offered 1949 summer term.)

Open only to graduate students with 18 or more credits in psychology, except by special permission of Instructor and Executive Officer of the Department.

- 209x Seminar: Psychology of Motivation (3) Wilson A consideration of various theoretical approaches to the psychology of motivation and systematic concepts and experimental findings deriving from each approach. Afternoon.
 - 212 Seminar: Personality Evaluation by Projective Kendig Techniques (3)
 - 213 Seminar: Clinical Psychology (3)

 An intensive study of some problem in the field of clinical psychology.

 Evening.
 - 223 Seminar: Learning (3)

 Covers theories of learning. Evening. (Also offered 1949 summer term).
 - 225 Seminar: Mental Hygiene (3) Phillips
 A study of problems in the field of mental health and prevention of
 maladjustments and mental disease. Saturday morning. (Also
 offered 1949 summer term.)
 - 226 Seminar: Clinical Psychology of Childhood Phillips

 (3)
 A study of behavior problems, personality disturbances, and mental disorders of children. Saturday morning.
- 227x Seminar: Educational and Vocational Guid
 ance (3)

 A study of the techniques of educational and vocational guidance and the application of these procedures in various types of guidance agencies. Prerequisite: Educational or psychological measurements. Evening. (Also offered 1949 summer term.)
 - 228 Seminar: Techniques of Counseling (3)

 A detailed study of counseling techniques and the types of counseling problems likely to confront teachers, employee counselors, vocational counselors, and veterans' advisers. Prerequisite: Psychology 227 or the equivalent. Evening. (Also offered 1949 summer term.)

 Psychology 228x—same as Psychology 228, but offered fall term. Afternoon.
 - 229 Seminar: Occupational and Educational Davis
 Information (3)
 Designed to acquaint vocational and educational counselors with the basic occupational and educational information necessary in counseling. Sources of data and techniques of collecting, analyzing, and disseminating for purposes of guidance. Evening.
- The principles underlying test construction; statistical techniques in the construction, evaluation, and standardization of psychological, educational, and vocational tests. Prerequisite a course in tests and measurements and a course in statistics. Evening. (Also offered 1949 summer term.)

- 232 Research: Test Construction (3) Hunt Individual projects in construction and evaluation of psychological, educational, or vocational tests. Prerequisite: Psychology 231. Time to be arranged.
- Instruction and practice in giving of the Binet test, Wechsler-Bellevue Test, and other individual psychological tests. Prerequisite: an elementary course in tests and measurements. Material fee, \$2.25.

 Afternoon.

 Psychology 233x—same as Psychology 233, but offered winter term.

Afternoon.

- 234 Seminar: Test Theory (3) Evening.
- 242x Seminar: Psychological Principles of Personnel Management (3)

 A study of the applications of psychology to various personnel procedures, for those interested in either government or industrial personnel work. Prerequisite: Psychology 144 or the equivalent. Eve-
- 244 Seminar: Job Analysis and Evaluation (3) Leatherman Evening.
- 246x Seminar: Personnel Measurement Techniques Mosel
 (3)
 Detailed consideration of interviews, personal data analysis, tests, ratings and questionnaires in evaluating employability, job proficiency, and worker morale. Afternoon. (Also offered 1949 summer term.)
- 251 Seminar: Advanced Social Psychology (3) Tuthill Current research and theory in social psychology; group dynamics, ego-involvements, action research, and social interaction theory. Evening.
- 255x Seminar: Techniques of Opinion and Attitude Tuthill

 Measurement (3)

 Methods of attitude measurement (interviews, questionnaires, scales, polls) as currently used by private and governmental investigators.

 The place of attitude studies in schools, industry, government, etc. (Offered in 1950-51 and alternate years.)
- 272 Seminar: Theories of Personality (3)

 A survey of the various theories of personality, with emphasis upon theoretical problems and methodology in the field of personality study. Afternoon.
- 295-96 Research in Psychology (arr.) The Staff
 Individual research by student, carried out under supervision of staff
 member. Time and credits to be arranged. (Also offered 1949 summer term.)
- 299-300 Thesis (3-3)

RADIOLOGY

William Woodrow Stanbro, M.D., Associate Professor of Radiology, Executive Officer Solomon Rodney Bersack, M.D., Associate in Radiology Keene Manning Wallace, M.D., Associate in Radiology

213 Basic Radiology
Orientation lectures in X-ray physics.

341-42 Radiological Diagnosis

Lectures in conjunction with the course in Physical Diagnosis.

The Staff

The Staff

358 Advanced Radiological Diagnosis
Lectures and discussions.

The Staff

449 Clinical Studies
Students assigned in rotation on a full-time basis for a specific period to the X-ray Department.

The Staff

478 Research
Hours to be arranged.

RELIGION

Lawrence Daniel Folkemer, Ph.D., Associate Professor of Religion, Ex-

John Walter Beardslee III, A.B., B.D., Assistant Professor of Religion

Minimum requirements for the major in Religion (Departmental).—Eighteen credit hours beyond first-group courses.

FIRST GROUP

- 9 The Old Testament (3)

 A historical and literary approach to the study of the books of the Old Testament with special consideration given to the development of religious ideas, institutions, and outstanding personalities. Morning and evening sections.
- 10 The New Testament (3)

 A study of the literature of the New Testament from the standpoint of occasion, purpose, dominant ideas, and permanent values. Special consideration given to life in the primitive Christian Church. Morning and evening sections. (Also offered 1949 summer term.)
- Fall term: primitive and eastern religions—Egyptian religion, Confucianism, Taoism, Buddhism and sects, Hinduism, and Shintoism—considering environment, personalities, religious thought, cultus, ethics, and modern trends. Winter term: Judaism, Christianity, and Islam; analysis of early development, thought, life, institutions, and expansion. Recent issues and trends examined. Morning and evening sections. (Also offered 1949 summer term—Religion 60 (3).)

SECOND GROUP

102 The Prophets, Their Times and Their Beardslee
Message (3)

The development of prophetism in the Old Testament; cultural, economic, psychological, and religious factors in the movement; elements of lasting value in the prophetic teaching. A few of the prophets will be selected for particular study. Morning.

- A detailed study of the life and teachings of Jesus on the basis of a comparative analysis of the Gospel records; the significance of the message of Jesus for our own times. Morning.
- 143 Philosophy of Religion (3)

 A constructive investigation of the evidences of religious knowledge and experience, the nature of God and man, the problem of evil, freedom of the will, eternal life, the destiny of human society. Morning.

151 History of the Christian Church to the Reformation (3)

Folkemer

A detailed study of the Christian Church from Apostolic days to the Reformation; relationship between church and state, doctrines, worship, expansion, rise of papacy, monastic movement, and pre-Reformation dissent. Morning.

152 History of the Christian Church Since the Beardslee Reformation (3)

The origin and development of Protestantism; the Roman Catholic revival; developments among the Fastern churches; doctrines, worship, expansion, church and state, and relation to modern thought and life in the Continent and Great Britain. Morning.

- 172 Religion in American Life (3) Folkemer
 Growth of religious bodies and institutions in American culture; the
 heritage of religious freedom and diversity, revivalism and education,
 science and religious thought, divisions and cooperative movements in
 religion. Morning.
- 185-86 Classics of Religious Literature (3-3) Folkemer (Not offered in 1949-50.)

ROMANCE LANGUAGES AND LITERATURES

Henry Grattan Doyle, A.M., LL.D., Litt.D., Professor of Romance

Merle Irving Protzman, Ph.D., Professor of Romance Languages

Louis Clark Keating, Ph.D., Professor of Romance Languages, Executive Officer

Alan Thomas Deibert, A.M., Professor of Romance Languages

Irene Cornwell, Ph.D., Associate Professor of French

Antonio Alonso, A.M., Associate Professor of Spanish

Carey DeWitt Eldridge, Ph.D., Assistant Professor of Romance Lan-

Rafael Supervia, Doctor en Derecho, Assistant Professor of Spanish Alberto Vázquez, Ph.D., Lecturer on Spanish American Literature

Jacqueline Chevallaz Buhrman, A.M., Instructor in French

Elizabeth June Uelsmann, A.M., Instructor in Spanish

Felicia Miller, A.M., Instructor in Spanish

Julia Elizabeth Hicks, A.M., Instructor in Romance Languages

Nancy Cook Brooks, A.M., Instructor in Spanish

José Sylvado Bueno, A.M., Associate in Portuguese

Roberto Daniel Meléndez, A.B., Associate in Spanish

The majors.—The Department of Romance Languages offers three majors administered under the field-of-study plan, and provides proseminars intended to assist the student in preparing himself for the respective major examinations, These are: (1) a Major in French Literature (proseminar: French 199-200); (2) a Major in Spanish Literature (proseminar: Spanish 199-200); and (3) a Major in Spanish American Literature (proseminar: Spanish 197-98). members of the staff in charge of the respective proseminars are designated as advisers in the respective fields. In these majors, emphasis will be laid upon the political, social, and cultural background of the literature studied, as well as upon writers and their works. A reasonable proficiency in the spoken language will be required. Majors in Romance Languages are strongly advised to study Latin, a knowledge of which is required for graduate work in most institutions. For further details, see the pamphlet on the subject or consult the Executive Officer of the Department or the appropriate adviser.

FRENCH

FIRST GROUP

†1-2 First-year French (3-3)

The Staff

For beginners. Grammar, composition, drill in pronunciation, translation of modern French prose. Morning, afternoon, and evening sections. (Also offered 1949 summer term.)
French 1x—same as French 1, but offered winter term. Morning

and evening sections.

French 2x-same as French 2, but offered fall term. Morning, afternoon, and evening sections.

1-2x First-year French (accelerated) (6) The Staff Same as French 1-2, but full year given in fall term on an accelerated basis. Morning.

†3-4 Second-year French (3-3)

Advanced grammar and composition, reading in modern French prose, oral practice, introduction to French civilization. Prerequisite: French 1-2 or two years of high school French. Morning, afternoon, and evening sections. (Also offered 1949 summer term.)

French 3x—same as French 3, but offered winter term. Morning

and evening sections.

French 4x—same as French 4, but offered fall term. Morning and

evening sections.

3x-4 Second-year French (accelerated) (6) The Staff Same as French 3-4 but full year given in the winter term on an accelerated basis. Morning.

SECOND GROUP

French 3-4 or the equivalent is prerequisite to all second-group courses in French.

- †109-10 French Conversation and Composition (3-3) The Staff
 Morning, afternoon, and evening sections. (Also offered 1949 summer
 term.)
 - 119-20 French Literature of the Sixteenth Century Keating
 (3-3)
 Prose, poetry, drama, and memoirs of the French Renaissance; Rabelais, Montaigne, Marot, La Pleiade, etc. Class analysis of texts, collateral reading. Recommended: History 120. 1949-50 and alternate years, morning.
 - 121-22 French Literature of the Seventeenth Protzman

 Century (3-3)

 History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry. Class analysis of texts; collateral reading. Evening.
 - 123-24 French Literature of the Eighteenth

 Century (3-3)

 History, philosophy, criticism, letters, drama, fiction, poetry, the "salons", the idea of progress, the idea of science. Class analysis of texts, collateral reading, lectures on literature and history. 1949-50 and alternate years, evening.
 - 125-26 French Literature of the Nineteenth Century Keating
 (3-3)
 Romanticism and realism: fiction, poetry, drama, criticism. Class
 analysis of texts, collateral reading, lectures on literature and history.
 1950-51 and alternate years, morning.

- 127-28 French Literature of the Twentieth Century Keating
 (3-3)
 Fiction, poetry, drama, criticism. Class analysis of texts, collateral reading, lectures on literature and history. 1949-50 and alternate years, morning.
- 129-30 French Drama (3-3)

 Studies of the principal dramatic movements and theories from the origins to the present, with class analysis of representative plays and individual reports to the class on supplementary plays. Morning.
- The social, artistic, and cultural background of French civilization. Lectures, recitations, and informal discussions. Morning.
 - An intensive study of the characteristic novels of the nineteenth and twentieth centuries. Lectures, collateral readings, class discussion.

 Summer term 1949.
 - 136 The Modern Drama in France (3)

 Reading, analysis, and discussion of typical plays and dramatic trends of the nineteenth and twentieth centuries. Lectures, collateral readings, class discussion.

 Summer term 1949.
- 199-200 Proseminar: Readings for the Major in French Literature (3-3)
 Conferences and group discussions. Afternoon.

THIRD GROUP

- 227-28 Seminar in Modern French Literature (3-3) Keating Prerequisite: a second-group course in French literature. 1950-51 and alternate years.
- 229-30 Seminar in Classical French Literature (3-3) Protzman Prerequisite: a second-group course in French literature. The topic for 1949-50 is the plays of Molière. 1949-50 and alternate years, afternoon.
- †249-50 Old French (3-3)

 Phonology and morphology of Old French, with an outline of its development through Vulgar Latin; survey of French literature to the end of the thirteenth century. Prerequisite: a second-group course in French literature; an elementary knowledge of Latin. Time to be arranged.
- †251-52 Middle French (3-3)

 French literature of the fourteenth and fifteenth centuries. Class analysis of texts; collateral reading. Prerequisite: a second-group course in French literature. Knowledge of Old French desirable. (Not offered in 1940-50.)
- 299-300 Thesis (3-3)

PORTUGUESE

FIRST GROUP

†1-2 First-year Portuguese (3-3) Bueno For beginners. Grammar, composition, drill in pronunciation, translation of modern Portuguese proce. Evening.

†3-4 Second-year Portuguese (3-3) Bueno Advanced grammar and composition, reading of modern Portuguese prose, oral practice, introduction to Portuguese and Brazilian civiliza-tion. Prerequisite: Portuguese 1-2 or the equivalent. Evening.

SECOND GROUP

127-28 Portuguese and Brazilian Literature (2-2) Evolution of the Portuguese language; outline of the literature of Portugal (fall term) and Brazil (winter term). Lectures, readings, written reports. Conducted in Portuguese. Prerequisite. Portuguese 3-4 or the equivalent. (Not offered in 1949-50.)

SPANISH

FIRST GROUP

The Staff †1-2 First-year Spanish (3-3) For beginners. Grammar, composition, drill in pronunciation, translation of modern Spanish prose. Morning, afternoon, and evening sections. (Also offered 1949 summer term.) Spanish 1x-same as Spanish 1, but offered winter term. Morning

and evening sections.

Spanish 2x-same as Spanish 2, but offered fall term. Morning, afternoon, and evening sections.

- The Staff 1-2x First-year Spanish (accelerated) (6) Same as Spanish 1-2, but full year given in fall term on an accelerated basis. Morning.
- The Staff †3-4 Second-year Spanish (3-3) Advanced grammar and composition, reading of modern Spanish prose, oral practice, introduction to Latin American civilization. Prerequisite: Spanish 1-2 or two years of high school Spanish. Morning and evening sections. (Also offered 1949 summer term.)

Spanish 3x-aame as Spanish 3, but offered winter term. Morning and evening sections.

Spanish 4x-same as Spanish 4, but offered fall term. Morning and evening sections.

The Staff 3x-4 Second-year Spanish (accelerated) (6) Same as Spanish 3-4, but full year given in winter term on an accelerated basis. Evening.

SECOND GROUP

Spanish 3-4 or the equivalent is prerequisite for all second-group courses in Spanish.

- †109-10 Spanish Conversation and Composition (3-3)
 Morning and evening sections. (Also offered 1949 summer term.)
 - Conversation and composition; letterwriting. Acquisition of Spanish vocabulary in a practical commercial context. Evening.
 - 121-22 Spanish Literature of the Golden Age (3-3) Eldridge Cervantes, Lope de Vega, Calderón; the classic drama, fiction, the ballad, lyric poetry. Class analysis of texts, collateral reading, lectures on literature and history. Morning.
- 123-24 Cervantes (3-3)

 Life and works of Cervantes. The Quixote, the Novelas Ejemplares, and other works. Morning.
- 125-26 Modern Spanish Literature (3-3)

 Prose and poetry of the eighteenth and nineteenth centuries. Class analysis of texts, collateral reading, lectures on literature and history.
- 127-28 Contemporary Spanish Literature (3-3) Supervía
 Prose and poetry of the latter part of the nineteenth and of the twentieth centuries. Class analysis of texts, collateral reading, lectures on literature and history. 1949-50 and alternate years, evening.
- The social, artistic, and cultural background of Spanish civilization.

 Lectures, recitations, and informal discussion. Morning.
 - 135 The Modern Novel in Spain (3)
 An intensive study of contemporary novels, novelists, and their backgrounds. Lectures, collateral reading, class discussion.

 Summer term 1949.
 - Alonso
 A study of selected plays with an appreciation of their social and literary significance. Lectures, collateral reading, class discussion.

 Summer term 1949.
- 153-54 The Modernista Movement in Spanish Vázquez
 America (3-3)
 A study of the background, trends, and personalities of this movement.
 Summer term 1949.

- 155-56 Spanish American Literature to 1880 (3-3) Vázquez
 The literature of Spanish America from the colonial period to the
 latter part of the nineteenth century. Lectures, collateral reading,
 reports, and class analysis of important works. (Not offered in
 1949-50.)
- 157-58 Spanish American Literature Since 1880 (3-3) Vázquez
 The literature of Spanish America from 1880 to the contemporary
 period. Lectures, collateral reading, reports, and class analysis of important works. 1949-50 and alternate years, evening.
- 197-98 Proseminar: Readings for the Major in Vázquez
 Spanish American Literature (3-3)
 Conferences and group discussions. Time to be arranged.
- 199-200 Proseminar: Readings for the Major in Alonso Spanish Literature (3-3)
 Conferences and group discussions. Time to be arranged.

THIRD GROUP

- 225-26 Seminar in Spanish Literature (3-3)

 Prerequisite: a second-group course in Spanish literature.

 1949-50

 and alternate years. Time to be arranged.
- 227-28 Seminar in Spanish American Literature Vázquez
 (3-3)
 Prerequisite: a second-group course in Spanish American literature.
 (Not offered in 1949-50.)
- †249-50 Old Spanish (3-3)

 Literature and philology: Poema del Cid, Libro de Buen Amor, Conde Lucanor, etc.; Menendez Pidal's Manual elemental de gramatica històrica española and Ford's Old Spanish Readings. Prerequisite: a second-group course in Spanish literature; an elementary knowledge of Latin. (Not offered in 1949-50.)

299-300 Thesis (3-3)

The Staff

SECRETARIAL STUDIES

Dorothy Helene Veon, Ed.D., Assistant Professor of Secretarial Studies, Executive Officer

June Elizabeth Ayers, A.B., Associate in Secretarial Studies

Requirements for the degree of Associate in Arts in Secretarial Studies.—See page 63.

FIRST GROUP

I Elementary Typewriting (2)

Fundamental techniques of typewriting, basic styles of business letters, introduction to tabulation, and preparation of general office forms. Laboratory fee, \$4.50. Afternoon and evening sections.

Secretarial Studies Ix—same as Secretarial Studies I, but offered winter term. Evening.

The business letter and its arrangement, advanced tabulation, manuscript typing, office forms, steneil cutting, and legal documents. Prerequisite: Secretarial Studies 1 or the equivalent; ability to type accurately at 30 words a minute. Laboratory fee, \$4.50. Afternoon and evening sections.

Secretarial Studies 2x-same as Secretarial Studies 2, but offered fall term. Evening.

- 11 Elementary Shorthand and Transcription (4) Veon A study of the principles of Gregs shorthand correlated with dictation and transcription. Minimum dictation speed of 60 words a minute attained. Laboratory fee, \$1.50. Morning and evening sections.
- 12 Intermediate Shorthand and Transcription (4) Veon Review of the principles of Green shorthand; dictation and transcription on general and specialized business subjects. Minimum dictation speed of 80 words a minute attained. Prerequisite: Secretarial Studies 11 or the equivalent: ability to take dictation at 60 words a minute. Laboratory fee, \$1.50. Morning and evening sections.

15 Advanced Shorthand, Typewriting, and Veon Transcription (3)

Emphasis on speed and accuracy. Minimum speed of 100 words a minute attained in dictation. Prerequisite: Secretarial Studies 12 or the equivalent; ability to take dictation at 80 words a minute and to transcribe accurately: ability to type 50 words a minute. Laboratory fee, \$1.50. Late afternoon.

16 Secretarial Shorthand, Typewriting, and

Transcription (3)

Dictation and transcription involving vocabularies used in specific businesses and professions, with special reference to Medicine and Law.

Minimum dictation speed of 120 words a minute attained. Prerequisite: Secretarial Studies 15 or the equivalent; ability to take dictation at 100 words a minute and to transcribe accurately; ability to type 55 words a minute. Laboratory fee, \$1.50 Late afternoon.

- 51 Business Correspondence and Reports (3) Ayers
 The technique of communication forms with reference to business
 letters and reports. Survey and analysis of current business literature.
 Prerequisite: English 1 and 2. Evening.
- Training in secretarial duties and in the use of secretarial equipment and supplies. Actual office experience involving the taking of dictation and the transcribing of various materials; composing business letters, reports, and other forms; preparing bills, statements, financial forms, and statistical records; modern filing systems. Special adaptation made for medical and legal secretaries. Prerequisite: Secretarial Studies 15 and 51; Business Administration 51; or the equivalent. Time to be arranged.

RELATED COURSE

Education 150 Teaching of Business Education (2 to 6) (Not offered in 1949-50.)

SOCIOLOGY

Harold Loran Geisert, Ph.D., Professor of Sociology, Executive Officer Carr Bartleson Lavell, A.M., Assistant Professor of Sociology Kennett William Yeager, Ph.D., Assistant Professor of Sociology Henry Davidson Sheldon, Ph.D., Lecturer in Sociology

The major in Sociology (Departmental).—Prerequisite: Sociology 2 and 2. Required: Sociology 172 and 181 and eighteen hours elective in second and third group courses in sociology or closely related fields or departments, if specifically approved in advance by the Department of Sociology.

For requirements for the Master's degree, consult the Executive Officer.

FIRST GROUP

- I-2 Introductory Sociology* (3-3)

 The origin and development of culture, man's social nature, types of groups and institutions, social processes, factors producing social problems, individual and social disorganization. Morning and evening sections. (Also offered 1949 summer term.)

 Sociology 1x—same as Sociology 1, but offered winter term. Morning.
- 71-72 The American Community (3-3)

 Fall term: types of rural communities, changing rural social institutions, social processes in rural life. Winter term: the growth of cities, urban group life and personality, urban housing and city planning.

 Morning. (Also offered 1949 summer term, as 125 and 126.)

SECOND GROUP

- The nature and scope of social work, the development of social work programs in the United States, the role of public welfare, types of social work. Morning.
- 124 Social Legislation (3)

 The principles, theories, and techniques of social legislation, relief of poverty, child welfare, housing and city planning, public health and recreation, social insurance. Morning.
- 127 Community Organization (3)

 The study of social interaction in American communities, factors making for disorganization, community leadership, methods of organizing social forces to meet community needs. (Not offered in 1949-50.)
- The origin and development of social institutions, basic needs producing institutional forms, structures and functions of principal institutions and their interrelationship. Evening.

^{*} Sociology t is prerequisite to all other courses in Sociology.

- The reasons for marriage, marriage laws, mate selection, courtship, husband-wife relations, factors in marital adjustment, marriage prediction and counseling. Evening. (Also offered 1949 summer term.)
- 133 The Family (3)

 A study of the primitive and modern family, changing functions and roles of the family and its members, factors promoting disorganization, family crises, family reorganization. Evening.
- The socialization of the child through the home and other social institutions; the changing status of childhood, dependent and handicapped children, child labor. (Not offered in 1949-50.)
- 135-36 Crime and Delinquency

 The nature and distribution of crime, factors producing criminal behavior, police systems, the criminal and juvenile courts, the prison system, probation and parole, Morning.
 - 141 Population (3)

 The composition of population, theories of population growth, quantitative and qualitative differences in population groups, trends in population growth, population policies. Morning.
 - 142 Human Migration (3)

 Factors producing population movements, causes and consequences of international migrations, internal population redistribution, effects of selective migration. Morning.
 - The impact of industrialism on society; sociological analysis of the labor movement, sources of friction and problems of maintaining morale and cooperation in industry. Morning.
 - The effects of technological change on society, nature and theories of social change, factors promoting change; methods of analyzing the social effects of inventions. Morning.
 - 164 Social Control (3)

 Informal and formal phases of human control; analysis of methods of control used in modern society and the situations in which they occur, policies and techniques of control. Evening.
 - 172 Contemporary Social Theory (3) Geisert
 A systematic study of the important schools of contemporary sociology, including recent European as well as American developments, and an evaluation of the scientific contribution of each school. Afternoon.
- 181 Methods of Social Research (3) Geisert
 An analysis of social research techniques and the scientific method;
 the application of the case study, social survey, statistical, sociometric
 and experimental methods to social data. Afternoon.

THIRD GROUP

- 225 Seminar: Social Relations (3)

 The elements of social relations, types of social identification, utility, commodity, mediated and dissociative relations, valuation of the perEvening.

 Geisert
 commodity, mediated and dissociative relations, valuation of the perEvening.
- General characteristics of social structures, analysis of status by types: age, sex, vocational, social classes and castes, personal and categoric relations, unity and continuity of society. Evening.
- 295-96 Research
 Time and credits to be arranged.
 The Staff
- 299-300 Thesis (3-3) The Staff

SPEECH

Lubin Poe Leggette, A.M., Associate Professor of Speech, Executive Officer

George Francis Henigan, Jr., Ph.M., Associate Professor of Speech Calvin Weir Pettit, Ph.M., Assistant Professor of Speech, Director of Speech Clinic

Edwin Lockwood Stevens, A.M., Assistant Professor of Speech Edward Perkins Mangum, A.M., Assistant Professor of Speech Walter Byron Emery, LL.B., Ph.D., Lecturer in Speech Emma Sue Phelps, A.M., Instructor in Speech Edith Shores Surrey, A.M., Instructor in Speech Lee Sheward Bielski, A.M., Instructor in Speech Henry Charles Krebs, A.B., Instructor in Speech Andrew Anthony Nilles, A.B., I.L.B., Associate in Speech Robert Burns Stevens, A.B., Associate in Speech Bess Davis Schreiner, Associate in Theatre

The major in Public Speaking (Departmental).—Prerequisite: Speech 11, 21, 22. Required: twenty-four credit hours including Speech 101, 108, 135, 145-46, 191-92. Recommended in addition: English 125; Journalism 111-12; Philosophy 111-12, 121, 162; Psychology 151.

The major in Theatre (Departmental).—Prerequisite: Speech 11, 12, 21.

Required: twenty-four credit hours including Speech 163-64, 165-66. Recom-

mended in addition: English 135-36, 175-76, 183-84.

and evening sections.

The major in Speech Correction (Departmental).—Prerequisite: Speech 11, 12, 21. Required: twenty-four credit hours including Speech 101, 175-76, 178-180. Recommended in addition: Psychology 29, 98, 131, 171; Physiology 115: English 125.

FIRST GROUP

A Speech Clinic
Individual or group lessons, without academic credit, for such speech difficulties as lisping, cleft palate, articulatory problems, stuttering, and foreign accents. Fee: for individual lesson, \$5; for group lesson, \$3.

Training the Speaking Voice (3)

The Staff Developing ease, naturalness, and clarity in the speaking voice. Acalysis of individual voices through recordings. Phonetic approach to the study of the sounds of English, the standards of speech Class instruction in the problems of rate, volume, pitch, and quaity Recording fee, \$1.50. Morning, afternoon, and evening sections.

(Also offered 1949 summer term.)

Speech 11x—same as Speech 11, but offered winter term. Morning

(298)

12 Oral Reading (3) Reading to others, theory and practice in the problems of interpreting the printed page. Prerequisite: Speech 11 or the permission of the instructor. Recording fee, \$1.50. Morning, afternoon, and evening sections. (Also offered 1949 summer term.)

Speech 12x—same as Speech 12, but offered fall term. Morning, afternoon, and evening sections.

21 Effective Speaking (3) Leggette and Staff Preparation and delivery of extempore speeches; developing confidence and poise, body and voice control; selecting and organizing material. Recording fee, \$1.50. Morning, afternoon, and evening sections. (Also offered 1949 summer term.) Speech 21x-same as Speech 21, but offered winter term. Morn-

ing, afternoon, and evening sections.

- 22 Speech Making (3) The Staff Special emphasis is placed on organization of material and elementary principles of persuasion. This course is a continuation of Speech 21, which is prerequisite. Recording fee, \$1.50. Morning, afternoon, and evening sections. (Also offered 1949 summer term.) Speech 22x-same as Speech 22, but offered fall term. Morning and evening sections.
- 41 Parliamentary Law (3) Emery The correct procedure in forming an organization and in conducting its meetings in an orderly and businesslike manner. Saturday morning.

SECOND GROUP

- 101 Introduction to Phonetics (3) Pettit The fundamental and critical analysis of the sound system of the English language. Attention to comparative phonetics and standards of pronunciation. Recording fee, \$1.50. Afternoon.
- 101 Oral Interpretation of Literature (3) Theory and practice in the problems of communicating meaning and emotion. Selections for study include poetry and prose. Prerequi-site: Speech 12 or permission of the instructor. Recording fee, \$1.50. Afternoon.
- 108 Speeches for Special Occasions (3) E. Stevens The preparation and presentation of speeches of introduction, presentation, acceptance, welcome, nomination, and eulogy. Prerequi-tite: six credit hours of speech. Morning.
- 109 Radio Speaking and Production (3) E. Stevens Radio speeches, interviews, and discussions; news reporting and interpreting; techniques of direction and production; plays; audience measurement. Prerequisite: Speech 12 or permission of the instructor. Recording fee, \$3 a term. Afternoon. Speech 109x-same as Speech 109, but offered winter term. Eve-

ning.

131 Group Discussion and Conference Leadership Henigan
(3)

The process of thinking and problem solving in committees and small groups, and the methods of leading discussions and conferences. Prerequisite: six credit hours of speech or the permission of the instructor. Afternoon.

- 135 Argumentation and Debate (3) Henigan Study of evidence and inference in reasoned discourse; techniques and methods of debating; argumentative speeches and practice debates on questions of current interest. Prerequisite: Speech 21, 22. Afternoon.
- An advanced course in public speaking with emphasis on audience analysis and audience psychology; preparation and delivery of persuasive speeches; study of current public speeches. Prerequisite: Speech 21, 22. Morning.
- 145-46 English and American Orators and Oratory Emery
 (3-3)
 Fall term: a survey of English orators and oratory; winter term: a

survey of American orators and oratory and oratory; winter term: a survey of American orators and oratory from colonial days to recent times. Prerequisite: six credit hours of speech. Evening.

- 151-52 Acting (3-3)
 Study and practice in the fundamentals of acting technique: body movement, basic expression, and character analysis; interpretation; make-up. Prerequisite: Speech 11, 12. Prerequisite to Speech 152: Speech 151. Laboratory fee, \$2 a term. Late afternoon.
- 155-56 Stage Scenery and Lighting (3-3)
 R. Stevens
 Fall term: construction and painting of scenery for the stage. Winter
 term: fundamental principles of stage light and its uses in the theatre;
 basic principles of electricity. Application of principles through assignments in the workshop and backstage during performances. Laboratory fee, \$2 a term. Afternoon.
- The psychology of press agentry, building the subscription audience, box office and the buying public, the house manager in his own domain, treatment of public by personal contact between and during shows, back stage and the unions, booking in the road shows, "selling theatre". Lectures and practical work on the public performances.
- Fundamentals of play production. Fall term: composition, movement, rhythm, and pantomime; elementary stage technique for the actor; problems of play selection; procedure for tryouts and casting, rehearsals, and the directing process. Students will prepare one-act plays for production. Winter term: preparing the public performance. Under the supervision of the instructor, each student will produce a one-act play and will prepare a detailed director's script of a full length play. Lectures and round table discussions of the director's problems at each stage of the process. Admission by permission of the instructor. Laboratory fee, \$2 a term. Evening.

- 165-66 History of the Theatre (3-3)

 A general survey of the rise of the theatre, the Classical, Medieval, Renaissance, later English and Continental, and Modern theatre.

 Admission by permission of the instructor. Afternoon.
- 167-68 Playwriting (3-3)

 The theory and technique of playwriting. Fall term: the theory of drama as an art form, finding a theme, building the story, creating characters, writing the dialogue. Students will study the construction of plays of the past and present. Winter term: writing the one-act play. Under the supervision of the instructor, each student will complete a one-act play. Round table discussions at each stage of the process. Admission by permission of the instructor. Evening.
- A study of the causes of the disorders of speech with emphasis on methods in diagnosis and treatment of defective speech. Prerequisite:

 Speech 11 and 101 or permission of the instructor. Recording fee,
 - Case work in remedial speech. This course may be repeated for a total of three credit hours. Prerequisite: Speech 175. Time to be arranged.

 Speech 178x—same as Speech 178, but offered fall term. Time to be arranged.
 - 180 Speech Pathology (3)

 An advanced study of the causes and symptoms of the major physiogenic and psychogenic speech disorders. Prerequisite: permission of the instructor. Afternoon.
- 191-92 Classical and English Rhetorical Theory E. Stevens
 (3-3)
 Prerequisite: nine credit hours of speech. Time to be arranged.

THIRD GROUP

- 251 Period Techniques in Acting (3)

 Late afternoon.
- 256 Scene Design (3) Laboratory see, \$2. Afternoon.
- 263-64 Seminar (3-3)
 Evening.

 Mangum
- 299-300 Thesis (3-3) The Staff

STATISTICS

Frank Mark Weida, Ph.D., Professor of Statistics, Executive Officer Everett Herschel Johnson, Ph.D., Associate Professor of Statistics Solomon Kullback, Ph.D., Lecturer in Statistics Dorothy Jeanne Morrow, M.S., Lecturer in Statistics Charles Lawrence Marks, A.M., Instructor in Statistics Samuel Greenhouse, B.S., Associate in Statistics

Minimum requirements for the major (Field-of-Study).—Prerequisite: Mathematics 12, 19, and 20; Philosophy 121, 122; an introductory course in one of the social sciences, one of the biological sciences, or one of the physical sciences. Required: an understanding of the underlying mathematical theory employed to characterize, compare, and elucidate quantitative or qualitative measurements which are found in Statistics 115-16, 117, 118, 155-56, 157-58; a minimum of twenty-four credit hours of second-group courses in departments unrelated to statistics. For further details, consult the adviser.

FIRST GROUP

Collection of data, classification and tabulation, averages, construction and use of index numbers and quotients, dispersion, analysis of frequency distribution, time series, correlation, and graphic presentation. Prerequisite one entrance unit in algebra. Laboratory fee, \$5. Lecture (2 hours)—morning and evening sections; laboratory (2 hours)—morning, afternoon, and evening sections. (Also offered 1949 summer term.)

Statistics 51x—same as Statistics 51, but offered winter term. Morning and evening sections.

52 Mathematics of Finance (3) The Staff Interest and discount, annuities, valuation of stocks and bonds, sinking funds, amortization, valuation of depletable assets, depreciation, building and loan associations. Prerequisite: one entrance unit in algebra. Morning and evening sections. (Also offered 1949 summer term.)

Statistics 52x—same as Statistics 52, but offered fall term. Morning and evening sections.

53 Introduction to Statistics in Psychology and Education (3) Weida and Staff

Sources of data, tabulation, charts and graphs, averages, dispersion, quartiles and percentiles, raw scores and derived scores, profiles, norms and their use, frequency distributions, intelligence and other quotients, reliability and validity of tests, normal curve, correlation, elementary sampling, statistical error, limitations of statistics. Prerequisite: one entrance unit in algebra. Laboratory fee, \$5. Lecture (2 hours)—

morning and evening sections; laboratory (2 hours)—afternoon and evening sections.

Statistics 53x—same as Statistics 53, but offered winter term. Morning and evening sections.

54 Introduction to Actuarial Science (3)
Gompertz and Makeham laws of mortality, life contingencies, life annuity premiums, life insurance premiums, reserves, risk, cost, social and other types of insurance. Prerequisite: Statistics 52. (Not offered in 1949-50.)

SECOND GROUP

- Advanced study of correlation and frequency analysis, theory, factor analysis, and applications to specific problems utilizing case method of study insofar as possible. Original work is of each student. Prerequisite: Statistics 53. Laboratory Lecture (2 hours), laboratory (2 hours)—evening.
- Probability and significance, designing experiments, reliability of data, distributions, curve fitting, tests of significance, analysis of variance, correlation. Applications to genetics, anthropology, bacteriology, physiology, pharmacology, life tables, mortality rates and dosemortality curves; as well as general biology. Prerequisite: one entrance unit in algebra. (Not offered in 1949-50.)
 - Applications of statistical methods to specific problems of business administration and economics. Scope of course includes averages, dispersion, frequency distributions, sampling, and simple correlation. Admission by permission of instructor. Morning and evening sections.
 - Applications of statistical methods to specific problems of business administration and economics. Scope of course includes multiple and partial correlation, time series analysis, index numbers, business cycles, elasticity of demand and mortality schedules for depreciable property. Prerequisite: Statistics 111 or the equivalent. Morning and evening sections.

†115-16 Principles of Statistical Methods* Weida and Staff

This course emphasizes the meaning, uses, and applications of: variates and attributes, measurement and enumeration, averages and dispersion, frequency distributions and their characteristics, errors of measurement and their control, index numbers, trends, cyclical relatives, purposive and random sampling in theory and practice and their errors and estimates, correlation in theory, practice, and applications. Prerequisite: one entrance unit in algebra. Laboratory fee, \$5 a term. Lecture (2 hours)—morning and evening sections; laboratory (2 hours)—afternoon and evening sections. (Also offered 1949 summer term.)

^{*} Statistics 115-16 is for statistics majors, for students desiring to become statisticians, and for students in engineering and the biological and physical sciences.

- The analysis of Variance (3)

 The analysis of variance and covariance to segregate factors producing significant variation, a method to estimate experimental error, multiple classification with unequal class frequencies. Prerequisite: Statistics 115-16. Evening. (Also offered 1949 summer term.)
- Advanced study of simple, partial, and multiple correlation. Rank correlation, the method of contingency, and the problem of normal and non-normal populations. Tests of independence, likeness, and goodness of fit. Prerequisite: Statistics 115-16. Evening. (Also offered 1949 summer term.)
- Definitions, enumeration of cases, total and compound probability, repeated trials, Bayes' theorem and postulate, Bernoulli's theorem and its experimental verification, mathematical expectation, law of large numbers and its applications. Prerequisite: Mathematics 20 and Statistics 115-16. Evening.
- Statistics as a science, types of problems, relative frequency and probability, binomial and multinomial distributions, Pearson system of curves, Gram-Charlier series, Cauchy distribution, correlation by regression method, Lexis theory of dispersion, generating functions, simple sampling theory, moments and semi-invariants. Prerequisite or concurrent registration: Statistics 155-56. Evening.
 - Interpolation; finite differences; least squares and theories of error; method of iteration; numerical differentiation and integration; numerical solution of algebraic, transcendental, differential, and integral equations; errors of observation; practical Fourier analysis; empirical formulas; and curve fitting. Prerequisite or concurrent registration: Statistics 155-56. (Not offered in 1949-50.)
 - 160 Quality Control Techniques (3) Marks Characteristics; scientific basis; reduction in cost of inspection, rejections, and tolerance limits; quality as an attribute; distribution of quality characteristics; laws basic to control; statistical and maximum control; detection of lack of control. Prerequisite: Statistics 157–58. (Not offered in 1949–50.)
- 161-62 Techniques of Statistical Analysis (3-3) Weida Industrial and other statistics, planning experiments, selection of techniques, sampling theory and practice. Prerequisite: Statistics 158 or the equivalent. Evening.
- †197-98 Statistical Mathematics* (3-3)

 Matrix algebra, quadratic forms, contour integration, measure theory.

 Stieltjes integration, Cauchy theory of residues, n-dimensional geometry in flat spaces. Prerequisite: Mathematics 139 or the equivalent.

^{*} Statistics 197-98 is prerequisite to all third-group courses except Statistics 205-6.

†199-200 Proseminar: Theoretical and Applied Statistics (3-3)

Weida

In addition to the study of recent advances in statistical methods, this course is designed to coordinate the content of the baccalaureate major. Admission by permission of the instructor. Time to be arranged.

THIRD GROUP *

- 201 Design of Experiments (3)

 Relative merits of random, repeated, stratified, and double sampling;
 Fisher-Pitman method of randomization; randomized blocks; Latin squares; factorial design; confounding, partial confounding. Evening.
- 202 Theory of Estimation and Testing
 Hypotheses (3)
 Statistical hypotheses; maximum likelihood estimate; Markoff's best estimate; Neyman-Pearson theory of testing hypotheses; Bayes' theory; consistent, efficient, and sufficient statistics; theory of confidence intervals. Evening.
- Tao3-4 The Theory of Econometrics (3-3)

 Statistical methods applied to the analysis of production, supply, and demand; utility and disutility; interest and taxation; exchange. Stress is placed on the interpretation of results in terms of probability. Correlation and regression of time series. Admission by permission of the instructor. 1950-51 and alternate years.
- 205-6 Advanced Business and Economic Statistics Johnson
 (3-3)

 Application of statistical methods to specific problems utilizing case method insofar as possible. Emphasis is placed on source materials, role of statistical methods, techniques of analysis, interpretation and presentation of results. Original work is required of each student. Prerequisite: Statistics 112 or the equivalent. Evening.
- †257-58 Advanced Mathematical Statistics (3-3) Kullback Mathematical basis of distribution functions, moments and cumulants, probability and likelihood, sampling distributions exact and approximate, Chi-square distribution, association and contingency, various conceptions of correlation, individual difference problem, time series, regression analysis, analysis of variance, theories of inference.
- †259-60 Advanced Mathematical Probability (2-2) Kullback Modern theories and asymptotic laws; elementary theory of definite integration; limit theorems in probability; the contributions of Cramer, Frechet, Kolmogoroff, Khintchine. Prerequisite: Statistics 257-58 or the equivalent. Evening.

^{*} Statistics 197-98 is prerequisite to all third-group courses except Statistics 205-6.

- †263-64 Statistical Inference (2-2) Weida
 Sample space; methods for estimating population parameters; fiducial
 inference and its application to testing hypotheses; valid, efficient,
 and exact estimation; Student's distribution; variance distribution;
 sampling statistics, i.e., moments and cumulants used as estimates of
 population parameters and used to test hypotheses. Prerequisite or
 concurrent registration: Statistics 259-60 or the equivalent. Evening.
- †265-66 Multivariate Analysis (2-2)

 Tests of significance, generalized variance and covariance, tests of independence, canonical and vector correlations, multivariate normal distribution, generalized Student's ratio, problems of estimation, applications to factor analysis. Offered in 1950-51.
- †267-68 Characteristic Functions (2-2)

 Fourier integrals, set functions, inversion formulas, applications to the distribution problem in statistics. (Not offered in 1949-50.)
- †269-70 Sequential Testing (3-3)

 Efficiency of sequential tests, sequential probability ratio test, expected number of observations necessary for a decision, truncated sequential analysis, sequential tests of single and composite hypotheses. (Not offered in 1949-50.)
- 295-96 Reading and Research (3-3)

 Admission by permission of the instructor. Time to be arranged.
- 299-300 Thesis (3-3)

Weida

SURGERY

Brian Blades, A.B., M.D., Professor of Surgery, Executive Officer Daniel LeRay Borden, A.M., M.D., Clinical Professor of Surgery Paul Stirling Putzki, M.D., Clinical Professor of Surgery Arch Lockhart Riddick, B.S., M.D., Clinical Professor of Surgery William Berry Marbury, M.D., Clinical Professor of Surgery Custis Lee Hall, M.D., Clinical Professor of Surgery John Hugh Lyons, M.S., M.D., Clinical Professor of Surgery Frank Errett Hamilton, A.B., M.D., M.S., Adjunct Clinical Professor of Surgery

Paul Budd Magnuson, M.D., Adjunct Clinical Professor of Surgery John Gordon Lee, A.B., M.D., C.M., Med. Sc.D., Adjunct Clinical Professor of Surgery

Wallace Harry Graham, B.S., M.D., Professorial Lecturer in Surgery Herbert Hermann Schoenteld, M.D., Associate Clinical Professor of Surgery

William Warren Sager, M.S., M.D., Associate Clinical Professor of Surgery

Benjamin Franklin Dean, Jr., M.S., M.D., Assistant Clinical Professor of Surgery

Alec Horwitz, M.S., M.D., Assistant Clinical Professor of Surgery
William Stanley McCune, A.B., M.D., Assistant Clinical Professor of
Surgery

Vincent Michael Iovine, B.S., M.D., Assistant Clinical Professor of Surgery

Carl Berg, M.D., Assistant Clinical Professor of Orthopedic Surgery Calvin Trexler Klopp, A.B., M.D., Assistant Clinical Professor of Surgery

Julius Salem Neviaser, A.B., M.D., Assistant Clinical Professor of Orthopedic Surgery

Jerome Blaine Harrell, M.D., Assistant Clinical Professor of Surgery Leonard Theodore Peterson, A.B., B.S., M.D., Assistant Clinical Professor of Orthopedic Surgery

Richard Knight Thompson, D.D.S., Associate in Dental Surgery William Ross Morris, M.D., Associate in Surgery Harold Walter Krogh, D.D.S., Associate in Dental Surgery Jacob Joseph Weinstein, B.S., Phar.G., M.D., Associate in Surgery William Carey Meloy, M.D., M.S. in Med., Associate in Surgery Edward Alexander Cafritz, M.D., Associate in Surgery Edward James Beattie, Jr., M.D., Associate in Surgery Hazen Eugene Cole, B.S., M.D., Clinical Instructor in Surgery

Crenshaw Douglas Briggs, B.S., M.D., Clinical Instructor in Surgery William Wiley Chase, A.B., M.D., Clinical Instructor in Surgery Arthur James Mourot, B.S., M.D., Clinical Instructor in Surgery Joseph Francis Conlon, D.D.S., Clinical Instructor in Dental Surgery Otto Anderson Engh, A.B., M.D., Clinical Instructor in Surgery Duane Case Richtmeyer, A.B., M.D., Clinical Instructor in Surgery Richard Lee Jackson, M.D., Clinical Instructor in Surgery Leon Gerber, M.D., Clinical Instructor in Surgery

Walter Henry Gerwig, Jr., A.B., M.D., Clinical Instructor in Surgery Thomas Bradley, A.B., M.D., Clinical Instructor in Surgery

Lloyd Byron Burk, Jr., M.D., Clinical Instructor in Surgery Ernest Alva Gould, M.D., Clinical Instructor in Surgery

Austin Bertram Rohrbaugh, Jr., M.D., Clinical Instructor in Orthopedic

George Alfred Higgins, M.D., Clinical Instructor in Surgery
T. Wiley Hodges, M.D., Clinical Instructor in Orthopedic Surgery
Marvin Hayne Kendrick, M.D., Clinical Instructor in Surgery

279-80 General Surgery

Course of lectures and recitations covering surgical diseases of the neck and chest, herniae, amputations, and pre- and post-operative treatment. One hour a week for twenty-eight weeks.

283 Principles of Surgery

A clinical and laboratory course covering the fundamentals of surgery, including studies in inflammation, wound healing, etc. One hour laboratory and one hour in the clinics.

371-72 General Surgery

Course of lectures and recitations covering surgery as applied to the neck, thorax, gastro-intestinal tract, and the bones and skeletal muscles. One hour a week.

Well-organized group ward-rounds are made with the visiting physicians and their respective staffs in the course of their usual rounds.

Gallinger Hospital.

375-76 Surgical Clinic

Clinical teaching and demonstrations on the care of the various surgical diseases, with special emphasis on the pre- and post-operative management. Gallinger Hospital.

379-80 Surgical Staff Conference Gallinger Hospital. Weekly. The Staff

381-82 Clinical Clerkship

The Staff

The student is assigned and required to work up thoroughly the cases for diagnosis and treatment, Gallinger Hospital.

- 473-74 Clinical Clerkships

 Available at the University Hospital, Walter Reed General Hospital, and Mt. Alto Hospital.
 - 478 Orthopedics

 Etiology, pathology, symptomatology, and treatment of congenital and acquired diseases of the bones and joints, and the clinical instruction in treatment and in the use of appliances for the correction of deformities. One hour a week.
 - 481 General Surgery
 One hour a week.

Blades

- 483-84 Dispensary Clinic

 Dispensary instruction in the principles and practice of surgery. Instruction of small groups is given in general surgery and the specialties, including anesthesia, neurosurgery, orthopedics, proctology, and oral surgery. University and Emergency hospitals.
- 485-86 Special Problems in Surgery Riddick, Dean General surgical diagnosis, with special emphasis on the diagnosis and differential diagnosis of surgical diseases and post-operative complications. One hour a week.
 - 488 Surgical Clinic

 Demonstration to the entire class of the various surgical diseases. One hour a week.
 - 489 Surgical Anatomy
 One hour a week.

Horwitz

- 491-92 Surgical Pathology

 The senior class in groups of ten may attend the meeting of the Tumor Board of the Staff of Walter Reed Hospital and the Warwick Clinic. Patients with all types of neoplasms are demonstrated and gross and microscopic studies of various neoplasms are shown. Three hours a week.
- 493-94 Surgical Diseases of the Chest (elective)

Blades and Staff

Patients with various diseases of the chest, including diseases of the lung, mediastinal, and esophagus are presented. The cases are followed from week to week and operative specimens and microscopic sections are demonstrated. Walter Reed Hospital. Three hours a week.

UROLOGY

Frederick A. Reuter, M.D., Professor of Urology, Executive Officer Thomas Carlton Thompson, B.S., M.D., Clinical Professor of Urology Gilbert Ottenberg, A.M., M.D., Associate in Urology William Dabney Jarman, B.S., M.D., Clinical Instructor in Urology Edward Egner Ferguson, M.D., Clinical Instructor in Urology Leon Richard Culbertson, B.S., M.D., Clinical Instructor in Urology

- 395-96 Clinics

 Clinical teaching and demonstrations on the care of urological cases with special emphasis on the pre- and post-operative management. Operative clinics and clinical teaching. Gallinger Hospital.
- 491-92 Urology

 Lectures covering the entire field of urology including diagnosis, treatment, and morbid pathology. One hour a week.
- 495-96 Clinics

 Clinical demonstrations and teaching in the Outpatient Department, with special attention given to diagnostic procedures. Emergency and University hospitals. One part of each section daily.

ZOOLOGY *

Donnell Brooks Young, Ph.D., Professor of Zoology Ira Bowers Hansen, Ph.D., Professor of Zoology, Executive Officer Kenneth Caspar Kates, Ph.D., Professorial Lecturer in Zoology Edith Elizabeth Mortensen, Ph.D., Assistant Professor of Zoology -, Instructor in Zoology

The major in Zoology (Field-of-Study).-Prerequisite: Zoology 1-2. The student must, at the end of his senior year, exhibit a correlated knowledge of the following fields: (1) classification, structure, and ecological relations of animals, both invertebrate and vertebrate; (2) embryological development and life histories of important animal types; (3) general principles of physiology, heredity, and evolution; (4) the development of biological principles, hypotheses, and theories as revealed in the study of the history of zoology.

The student will obtain this knowledge in part by taking courses offered in

these fields and in part by individual study under the direction of his adviser. For further details, see the pamphlet on this subject or consult the adviser.

Premedical students are required to take Zoology 1-2.

FIRST GROUP

1-2 Introduction to Zoology (4-4) Young, Mortensen An introduction to the study of the structure, functions, and relation of animals, and of the fundamental biological principles involved. Material fee. \$4.50 a term. Lecture (2 hours)-morning and evening sections; laboratory (4 hours)-morning, afternoon, and evening sections. (Also offered 1949 summer term.)

Zoology 1x-same as Zoology 1, but offered winter term. Morning. Zoology 2x-same as Zoology 2, but offered fall term. Morning.

ts-6 Field Zoology (3-3) Mortensen Summer term 1950 and alternate summers. Material fee, \$2.50.

SECOND GROUP

101-2 Invertebrate Zoology (3-3) Mortensen A systematic study of invertebrate forms, including the study of morphology, classification, life histories, and phylogenetic relationships. Occasional field trips. Prerequisite: Zoology 1-2 or Biology 1-2. Material fee, \$4 50 a term. Lecture (1 hour); laboratory (4 hours). 1949-50 and alternate years—afternoon. 1950-51 and alternate years -evening.

105 Entomology (3) Munson A study of the elementary morphology, physiology, and ecology of insects, with an introduction to the taxonomy of the more important

^{*} See also the departments of Biology and Botany, pages 156 67, and 168 69.

* On sabbatical leave winter term 1542-55

groups. Prerequisite: Zoology 1-2, or the equivalent. Material fee, \$5. Lecture (1 hour), laboratory (4 hours)—morning. (Also offered 1949 summer term.)

- 122 Zoological Theories (3)

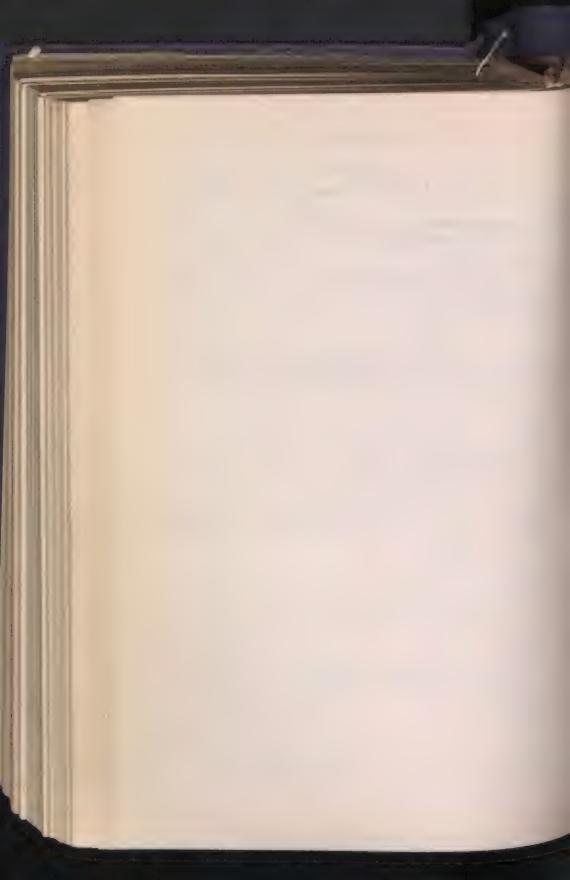
 A review of the theories which have affected the development of the various phases of the progress of Zoology. Prerequisite: Zoology 1-2 and one additional year of a biological science. Morning.
- 137 Histology (3)
 An introduction to the microscopical anatomy of normal tissues and organs. Prerequisite: Zoology 1-2. Material fee, \$6. 1949-50 and alternate years, lecture (1 hour); laboratory (4 hours)—evening. 1950-51 and alternate years—afternoon. (Also offered 1949 summer term.)
- 141-42 Comparative Vertebrate Anatomy (3-3) Hansen Lectures on the organ systems of the vertebrates; laboratory dissections of types. Prerequisite: Zoology 2. Material fee, \$6 a term. Lecture (1 hour)—afternoon-and evening sections; laboratory (4 hours)—morning, afternoon, and evening sections. (Also offered 1949 summer term.)
 - 144 Introduction to Vertebrate Embryology (3) Hansen
 The origin and early development of the individual and the formation of organ systems. Emphasis is placed on the frog. chick, and pig.
 with reference to the human embryo. Prerequisite: Zoology 2, and
 141 or 142. Material fee. \$6. Lecture (1 hour); laboratory (2
 hours)—afternoon. (Also offered 1949 summer term.)
 Zoology 144x—same as Zoology 144, but offered fall term. Evening.
- 147-48 Experimental Morphology (3-3) Hansen
 Lectures and class reports on experimental morphology. Prerequisite:
 Zoology 141-42 or the equivalent. 1950-51 and alternate years, evening.
 - An introduction to the protozoa: classification, life histories, and physiology, with special emphasis on free-living types. Prerequisite: Zoology 1. Material fee, \$4.50. Lecture (1 hour); laboratory (4 hours)—evening.
 - An introduction to the study of animal parasitology, with a survey of parasitic types from protozoa through arthropods. Prerequisite: Zoology 1-2 or the equivalent. Material fee, 26. Evening.
- 171-72 Special Problems (3-3)
 Written approval of the instructor is required. Material fee, \$6 a term. Time to be arranged.
- 199-200 Proseminar (3-3)

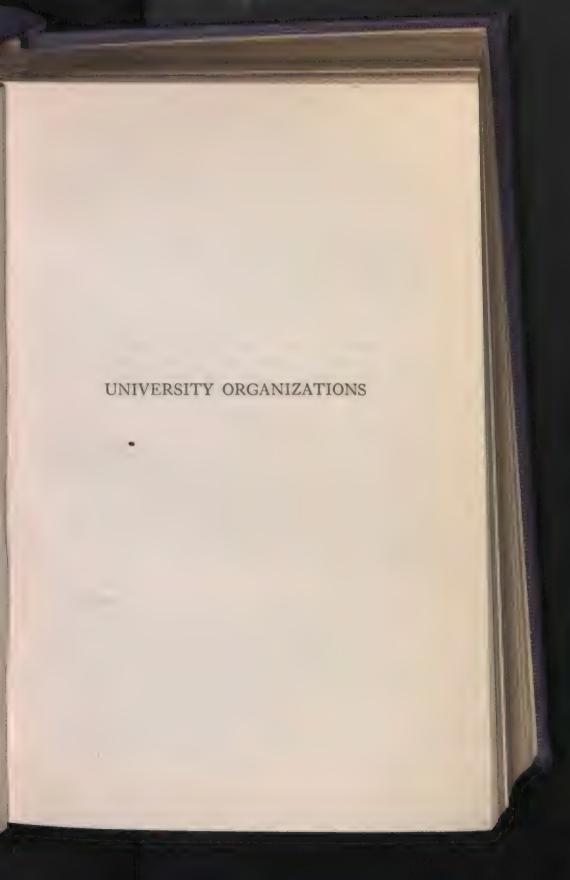
 A course designed to correlate and supplement the work of zoology majors. Morning.

THIRD GROUP

- 203-4 Seminar in Invertebrate Zoology (3-3) Mortensen Time to be arranged.
- 251-52 Seminar in Vertebrate Zoology (3-3) Hansen Time to be arranged.
- 295-96 Research
 Investigation of special problems.
 (Also offered 1949 summer term.)

 The Staff
 Time and credits to be arranged.
- 299-300 Thesis (3-3) . The Staff







ALUMNI AND ALLIED ASSOCIATIONS

THE GENERAL ALUMNI ASSOCIATION

The objects of this Association are to unite the graduates in closer sympathy and to promote the general welfare of the University. The following persons are eligible for active membership: graduates of any college, school, or division of the University; holders of honorary degrees from the University; and members of the Board of Trustees and of the Faculty of the University. Any person who has matriculated, who has been in regular attendance for one year, and who has left the University in good standing, is eligible for associate membership.

The Alumni Office is situated at 2018 I Street, Washington, D. C. Alumni are urged to keep the office informed of changes of address or occupation and to supply information with regard to their fellow alumni.

1948-49

President.—Alexander Wetmore, M.S. 1916, Ph.D. 1920, Sc.D. 1932 (A.B. 1912, University of Kansas); 204 Maple Avenue, Takoma Park, Md.

Vice Presidents:

Columbian College.—Elmer L. Kayser, A.B. and T.D. 1917, A.M. 1918, LL.D. 1948 (Ph.D. 1932, Columbia University); 2921 34th Street, Washington, D.C.

Graduate Council.—Helen M. Dyer, M.S. 1929, Ph.D. 1935 (A.B. 1917, Goucher College); Apt. 302 C, Tilden Gardens, Washing-

ton, D. C.

School of Medicine.—William Earl Clark, M.D. 1904; 1835 I Street, Washington, D. C.

Law School.—Paul E. Shorb, LL.B. 1920 (A.B. 1917, University of North Dakota); 740 15th Street, Washington, D. C.

School of Engineering.—William J. Ellenberger, B.S. in E.E. 1930, B.S. in M.E. 1934; 6419 Barnaby Street, Washington, D. C.

School of Pharmacy.—William Paul Briggs, B.S. in Phar. 1928 (M.S. 1930, University of Maryland; Sc.D. 1947, Philadelphia College of Pharmacy and Science); 6600 7th Street, Washington, D. C.

School of Education.—May P. Bradshaw, A.B. and T.D. 1909, A.M.

1913; 1631 S Street, Washington, D. C.

School of Government.—John T. C. Daugherty, A.B. in Govt. 1940, LL.B. 1943; 1472 Belmont Street, Washington, D. C. Dental School.—Sterling V. Mead, D.D.S. 1914; 1149 16th Street, Washington, D. C.

Treasurer.—Anna M. Bischoff, A.B. 1928; 2025 I Street, Washington, D. C.

Executive Secretary.—Lester Allan Smith, A.B. in L.S. 1932, A.M. in L.S. 1935; 2018 I Street, Washington, D. C.

Executive Committee:

Vernon L. Brown, A.B. 1927 (M.B.A. 1941, New York University); 46 Cedar Street, New York City.

W. Cameron Burton, LL.B. 1921; Investment Building, Washington, D. C.

Charles W. Cole, A.B. 1930, A.M. 1931, Ph.D. 1939; 2747 Ordway Street, Washington, D. C.

Thomas R. Edmonston, B.S. in C.E. 1937; 606 Pickwick Lane. Chevy Chase, Md.

Jessie Fant Evans (Mrs. Joshua Evans, Jr.), A.B. and T.D. 1913, Ed.D. 1932; 3405 Lowell Street, Washington, D. C.

Lucile M. Herrick, A.M. 1938, Ed.D. 1942 (B.S. 1924, University of Minnesota; LL.B. 1934, Southeastern University); Veterans Administration, Washington, D. C.

Dorothy S. Jaeger-Lee, M.D. 1939; 425 Greenbrier Drive, Silver Spring, Md.

A. Grace Lind, A.B. and B.Dip. in Ed. 1927 (A.M. 1932, Columbia University); 3373 Rittenhouse Street, Washington, D. C.

William M. Sweet, D.D.S. 1918; 1835 I Street, Washington, D. C. William C. Thom, B.S. in C.E. 1904, C.E. 1905; 1346 Hemlock Street, Washington, D. C.

Bolon Turner, A.B. 1922, LL.B. 1922, LL.M. 1924; U. S. Tax Court, Washington, D. C.

Frank H. Weitzel, A.B. 1931, LL.B. 1935; 6294 29th Street, Washington, D. C.

THE GEORGE WASHINGTON UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society, the organization of graduates of the School of Medicine, was established in 1905 and since 1926 has been affiliated with the General Alumni Association. The objects of the Society, as stated in the constitution, are "The promotion of the science and art of medicine and the welfare of the School of Medicine".

1948-49

President.-James I. Boyd, A.B. 1923, M.D. 1926, M.S. 1927; Upper Marlboro, Md.

President-Elect.—Herbert S. Gates, M.D. 1923; 4480 Dexter Street, Washington, D. C.

First Vice President.—Russell McNitt, M.D. 1925, B.S. in Med. 1925; 1801 I Street, Washington, D. C.

Second Vice President.—Florence E. Grady, A.B. 1936, M.D. 1939; 3718 Ingomar Street, Washington, D. C.

Secretary-Treasurer.—Oscar B. Hunter, M.D. 1912, A.B. 1916, A.M. 1917; Suite 1000, Columbia Medical Building, 915 19th Street, Washington, D. C.

Council:

William M. Ballinger, A.B. 1921, M.D. 1924; 4923 Hillbrook Lane, Washington, D. C.

Robert H. Harmon, M.D. 1929 (A.B. 1915, Millsaps College); 1150 Connecticut Avenue, Washington, D. C.

Fred A. J. Geier, M.D. 1925; 4948 Lowell Street, Washington, D. C. J. Burton Glenn, M.D. 1921; 2015 Q Street, Washington, D. C.

Clyde P. Reeves, M.D. 1933; 1028 Connecticut Avenue, Washington, D. C.

(Othcers of the Society are ex officio members of the Council.)

THE GEORGE WASHINGTON LAW ASSOCIATION

The George Washington Law Association, the organization of graduates of the Law School, was founded in 1912 and has been affiliated with the General Alumni Association since 1926. Its purposes as stated in the constitution are to promote high standards of legal education, to keep the alumni of the Law School in closer touch with one another and especially with members of their own classes, to gather and publish at intervals information as to the whereabouts and activities of these alumni, and to further the interests of the Law School.

1948-49

President.—W. Cameron Burton, LL.B. 1921; Investment Building, Washington, D. C.

First Vice President.—Charles S. Rhyne, LL.B. 1937; 730 Jackson Place, Washington, D. C.

Second Vice President.-Eileen C. O'Connor, J.D. 1941; 1 Scott Circle, Washington, D. C.

Third Vice President.—Oliver E. Pagan II, A.B. 1934, LL.B. 1937; Shoreham Building, Washington, D. C.

Secretary-Treasurer.—Dayton M. Harrington, LL.B. 1942; 1367 Connecticut Avenue, Washington, D. C.

Executive Committee:

Charles R. Allen, Ex-1920; Washington Loan and Trust Building, Washington, D. C.

Mary Agnes Brown, A.B. 1924, LL.B. 1932, S.J.D. 1942; 4606 15th Street, Washington, D. C.

Howard P. Locke, LL.B. 1927; Tax Division, Department of Justice, Washington, D. C.

Frank H. Weitzel, A.B. 1931, LL.B. 1935; 6294 29th Street, Washington, D. C.

THE LIBRARY SCIENCE ALUMNI ASSOCIATION

The Library Science Alumni Association was organized in 1932 by graduates of the Division of Library Science and became an affiliate of the General Alumni Association in 1935. It was established to foster a closer relationship between the Faculty and graduates and to further the interests of the Division of Library Science and of the University as a whole.

1948-49

President.—Matthew A. McKavitt, A.B. in L.S. 1934; 1623 Monroe Street, Washington, D. C.

Vice President.—Mary E. Kelso, A.B. in L.S. 1940; 402 Oakwood Street, SE., Washington, D. C.

Secretary.—A. Marguerite Matthews, A.B. in L.S. 1939; 9214 Midwood Road, Woodside Forest, Silver Spring, Md.

Treasurer.-Helen C. Sunday, A.B. in L.S. 1935; 525 Third Street, NE., Washington, D. C.

THE ENGINEER ALUMNI ASSOCIATION OF THE GEORGE WASHINGTON UNIVERSITY

The Engineer Alumni Association was organized in 1936 and has been affiliated with the General Alumni Association since that time. Its objects are to unite the graduates and Faculty of the School of Engineering in closer fellowship, to promote the general welfare of the School of Engineering and of the University at large, to foster activities of the engineering organizations recognized by the University, and to advance the profession of engineering in general.

1948-49

President.—Philias H. Girouard, B.S. in M.E. 1926; 3401 Patterson Street, Washington, D. C.

Vice President.—Merwyn N. McKnight, B.S. in M.E. 1938, B.E.E. 1941; 1704 N. Calvert Street, Arlington, Va.

Recording Secretary.—Robert G. Weston, B.E.E. 1943; 1818 N. Patrick Henry Drive, Arlington, Va.

Corresponding Secretary.—J. Harold Link, B.S. in E.E. 1940; 2500 K Street, Washington, D. C.

Executive Committee:

Henry H. Snelling, B.S. in M.E. 1913; 6708 45th Street, Chevy Chase, Md.

Thomas R. Edmonston, B.S. in C.E. 1937; 606 Pickwick Lane, Chevy Chase, Md.

Daniel O. Hunter, B.S. in E.E. 1937; 4774 N. 25th Street, Arlington, Va.

THE GEORGE WASHINGTON UNIVERSITY NURSES ASSOCIATION

The George Washington University Nurses Association was organized in 1914. In 1936 this organization was made an integral part of the General Alumni Association, and graduates of the School of Nursing were accorded associate membership. The objects of the Association are to hold in unison the graduates of the George Washington University Hospital School for Nurses, to care for its sick members, and to promote the advance of nursing in the interest of the George Washington University Hospital.

1948-49

President.—Ruth Poindexter, N.Cert. 1924; 1815 17th Street, Washington, D. C.

Vice President.—Laura Sandres, N.Cert. 1924; 1701 16th Street, Washington, D. C.

Secretary.—Mrs. Katherine McCready del Valle, N.Cert. 1928; 1852 Columbia Road, Washington, D. C.

Treasurer.—Mrs. Mary Schmid Kelley, N.Cert. 1929; 1737 Hobart Street, Washington, D. C.

REGIONAL ALUMNI CLUBS

Regional alumni clubs sponsored by the General Alumni Association are maintained in the following places: Little Rock, Ark.; Los Angeles, Calif.; Northern California; Denver, Colo.; Chicago, Ill.; Portland, Maine; Baltimore, Md.; Detroit, Mich.; Kansas City, Mo.; St. Louis, Mo.; Newark, N. J.; Brooklyn, N. Y.; New York, N. Y.; Cleveland, Ohio; Toledo, Ohio; the Ohio River Valley (Cincinnati and adjacent sections of Kentucky and Ohio); Oklahoma City, Okla.; Pittsburgh,

Pa.; Dallas, Tex.; Salt Lake City, Utah; Richmond, Va.; Seattle, Wash.; Milwaukee. Wis.; New England; Philippine Islands; Puerto Rico.
Intormation about the officers and activities of these clubs may be

obtained from the Director of Alumni Relations of the University.

THE GRADUATE ENDOWMENT FUND

The Graduate Endowment Fund was founded by the class of 1926 with the object of providing endowment to be used for the development of the University. Membership is limited to seniors and graduates who sign a pledge of \$100, payable annually in ten equal installments.

The pledge notes and tunds are held in trust. When the principal reaches the sum of \$100,000, the Board of Administrators of the Fund may pay to the University such sums as it may vote for erection of buildings, acquisition of sites, maintenance, and purchase of equipment. At no time may money be drawn so as to leave a balance of less than \$50,000 on deposit.

On request, the Director of Alumni Relations of the University will furnish pledge blanks to alumni.

THE COLUMBIAN WOMEN

The objects of this organization are (1) the promotion of acquaintanceship among its members; (2) the advancement of women by the founding of scholarships in the various departments of the University; and (3) the promotion of the interests of the University.

MEMBERSHIP

1. The following persons shall be eligible for active membership:

(a) any woman who for one year has been a regularly registered student in The George Washington University, provided that she shall have received credit for thirty hours of work: (b) any woman member of the Favulties or Board of Trustees, any woman on the administrative staff; the wife or recomized head of the household of any member of the Faculties. Board of Trustees, or of the administrative staff; (c) any woman recipient of an honorary degree from the University.

1948-49

President.—Ruby Nevins, A.B. and T.D. 1917, A.M. 1922; The Kenesaw, Washington, D. C.

First Vice President. Mrs. Tomas Caiigas, 4605 Charleston Terrace, Washington, D. C.

Second Vice President. Miss Winifred Alvather, B.S. 1942: 3521 W. Place, Washington, D. C.

Corresponding Secretary .- Mrs. Edgar W. Woolard; 1232 30th Street, Washington, D. C.

Assistant Corresponding Secretary.—Elizabeth Benson, A.B. in Ed. 1931; Gallaudet Cellege, Florida Avenue at 7th Street, NE., Washington, D. C.

Recording Secretary.—Mrs. J. Beaty Griffith, A.B. 1922; 1746 K Street, Washington, D. C.

Treasurer.—Mrs. George Blanchard, A.B. 1916; 806 Massachusetts Avenue, NE., Washington, D. C.

Historian.-Irene Pistorio, B.S. in Arch. 1904; 2442 20th Street, Washington, D. C.

THE WOMEN'S BOARD OF THE GEORGE WASHINGTON UNIVERSITY HOSPITAL

The object of this organization is to aid in every way the interests and advancement of The George Washington University Hospital. Meetings are held on the first Wednesday of each month, October to June, inclusive. Inquiries regarding membership should be addressed to the Corresponding Secretary, The George Washington University, Washington 6, D. C.

1948-49

President.—Mrs. Cloyd Heck Marvin
Vice President.—Mrs. G. Louis Weller
Vice President.—Mrs. Gilbert Grosvenor
Vice President.—Mrs. Walter A. Bloedorn
Recording Secretary.—Mrs. Henry W. Herzog.
Corresponding Secretary.—Mrs. Glen M. Vickrey
Assistant Corresponding Secretary.—Mrs. W. Y. Handy
Treasurer.—Mrs. John Withrow Brewer
Assistant Treasurer.—Mrs. Barton W. Richwine

HONOR SOCIETIES

Phi Beta Kappa.—A national honor society recognizing "outstanding intellectual capacity well employed" in the field of liberal arts and sciences. Senior and junior students who are candidates for the degree of Bachelor of Arts or Bachelor of Science in Columbian College (in exceptional cases, senior and junior students in other non-professional divisions of the University) and who have shown broad cultural interests, distinguished scholarly achievement, high character, general promise, and scholarly ideals may, to a number not exceeding 15 per cent of a class, be elected to membership by the Faculty members of the Alpha Chapter of the District of Columbia.

Sigma Xi.—A national scientific honor society, the purpose of which is to encourage original investigation in science pure and applied. ()utstanding graduate students in the sciences are eligible for full membership, and undergraduates who have shown marked ability in research

may be elected to associate membership.

Order of the Coif.—A national legal society, the purpose of which is to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship. Members are elected each year from the highest 10 per cent of the graduating class of the Law School.

Sigma Tau.—A national engineering fraternity, the purpose of which

is to recognize scholarship and professional attainment.

Alpha Lambda Delta.—A national fraternity established to encourage and reward high scholarship and attainment, membership in which is limited to those freshmen women who attain a scholastic average of at least 3.50.

Artus.—A national economic society.

Delphi.—An intersorority society.

Delta Sigma Rho.-A national forensic honor society.

Gate and Key .- An interfraternity society.

lota Sigma Pi.—A national honorary chemical society for women. Kappa Kappa Psi.—A national honor society for college bandsmen.

Mortar Board.—A national honorary society for senior college women, stressing leadership, scholarship, and service.

Omicron Delta Kappa.—A national fraternity emphasizing leadership

in extracurricular activities.

Phi Delta Kappa.—A national honorary fraternity for men in the field of education.

Phi Eta Sigma.—A national fraternity, established to encourage and reward high scholarship and attainment, membership in which is limited to those freshman men who attain a scholastic average of at least 3.50.

Pi Delta Epsilon.—A national honorary collegiate journalism fraternity.

Pi Epsilon Delta.-National Collegiate Players.

Pi Gamma Mu.-A national social-science society.

Pi Lambda Theta.—A national honorary fraternity for women in the field of education.

Psi Chi.-A national honorary psychology fraternity.

Sigma Pi Sigma.—A national honorary physics fraternity.

Sigma Rho.—Honorary research society in physiology.

Smith-Reed-Russell Society.—A scholastic society in the School of Medicine. Students of the third and fourth years who maintain a scholastic average of 86 per cent are eligible for associate membership.

William Beaumont Medical Society.—A society founded with the object of encouraging and stimulating medical students in work of individual investigation.

STUDENT ORGANIZATIONS

PROFESSIONAL ORGANIZATIONS

Alpha Chi Sigma (chemistry), Alpha Epsilon Iota (medicine), Alpha Kappa Psi (commerce and economics), Alpha Pi Epsilon (home economics), Alpha Zeta Omega (pharmacy), American Institute of Electrical Engineers, American Society of Civil Engineers, American Society of Mechanical Engineers, American Institute of Radio Engineers, Chi Upsilon (geology), Delta Phi Epsilon (foreign service), Delta Theta Phi (law), Future Teachers of America, Gamma Eta Gamma (law), Kappa Beta Pi (law), Nu Sigma Nu (medicine), Phi Alpha Delta (law), Phi Chi (medicine), Phi Delta Delta (law), Phi Delta Epsilon (medicine), Phi Delta Gamma (graduate), Phi Delta Phi (law), Phi Pi Epsilon (foreign service), The Society for the Advancement of Management, Student Branch American Pharmaceutical Association, Theta Tau (engineering).

SOCIAL FRATERNITIES

Sigma Chi, Kappa Sigma, Kappa Alpha, Theta Delta Chi, Phi Sigma Kappa, Sigma Alpha Epsilon, Sigma Phi Epsilon, Phi Alpha, Sigma Nu. Acacia, Tau Kappa Epsilon, Pi Kappa Alpha, Argonauts, Tau Epsilon Phi, Alpha Epsilon Pi, Delta Tau Delta.

SOCIAL SORORITIES

Pi Beta Phi, Chi Omega, Sigma Kappa, Phi Mu, Alpha Delta Pi. Delta Zeta, Kappa Delta, Phi Sigma Sigma, Zeta Tau Alpha, Kappa Kappa Gamma, Delta Gamma, Kappa Alpha Theta, Omicron Alpha

DEPARTMENTAL CLUBS

Art Club, Case Club, Charles Clinton Swisher History Club; Colonial Forensics Society; Dance Production Groups I, II, III; El Club Español; Engineering Council; George Washington University Geographical Society; Home Economics Club; Howard E. Kane—A.F.A. King Obstetrical Society; Le Cercle Français; Lester F. Ward Sociological Society; Literary Club; Mortar and Pestle (pharmacy); Psychology Club; Radio Workshop; Schoenfeld Verein; Student Bar Association; Tironians (secretarial).

RELIGIOUS ORGANIZATIONS

Baptist Student Union, B'nai B'rith Hillel Foundation, Canterbury Club, Christian Science Organization, Lutheran Student Association, Newman Club, Religious Council, Wesley Club, Westminster Foundation.

MUSICAL ORGANIZATIONS

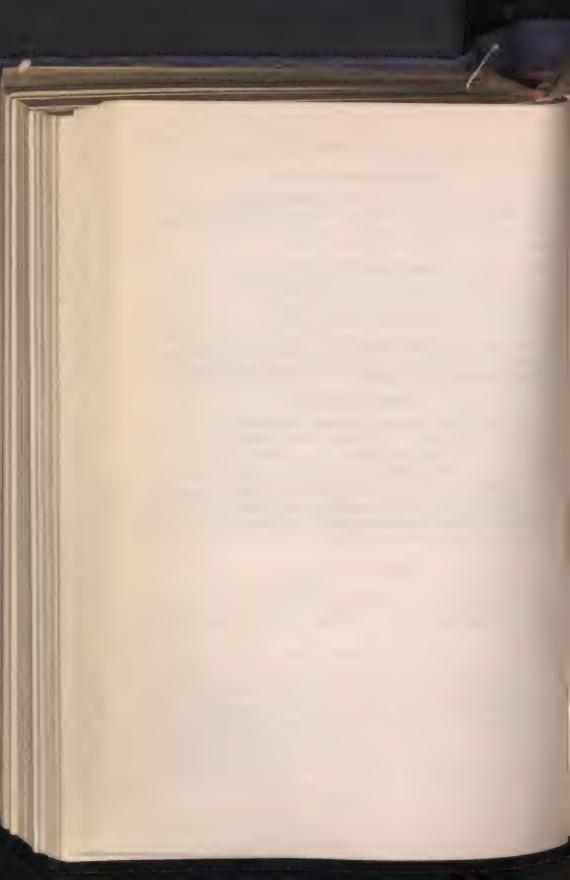
Girls' Glee Club, Men's Glee Club, University Band.

STUDENT PUBLICATIONS

The Cherry Tree (the annual), The University Hatchet (weekly newspaper), The George Washington Law Review, Mecheleciv (engineers' publication), The Percolator (pharmaceutical publication).

OTHER ACTIVITIES

Alpha Theta Nu (scholarship winners), Big Sisters, Cogs, Colonial Boosters, Current Affairs Club, Hellenic Society, Independent Students' Association, Inter-fraternity Council, Inter-fraternity Pledge Council, International Students' Society, Junior Panhellenic Association, Martha Washington Club, Masonic Club, Pistol Association, Sailing Association, Senior Panhellenic Association, Staughton Hall Council, Strong Hall Council, Student Council, Student Veterans of World War II, The George Washington University Players, Women's Recreation Association, World Government Seminar Group.



INDEX

Absence, regulations concerning SEE Attendance Academic Council, xxi-xxii Academic status of the University, 5-6 Accounting: Associate in Arts curriculum in, 61 Bachelor of Arts curriculum in, 62, Courses on, 170, 172, 173, 174, 175 Master of Arts curriculum in, 145, 1.17 Activities, student, 45 SEE ALSO special bulletin Administration, officers of, xix-xx Administrative Assistants, lxi-lxiv Admission, 11-19 Advanced standing, 12-13 Advertising, courses on, 173, 222 Advisory system, Junior College, 53 Alumni and Allied Associations, 317-23 American Thought and Civilization, major in, 75, 76-77 Anatomy, courses in, 159, 258, 263, 312 Anesthesiology, courses in, 160 Aptitude tests, 12, 42, 54 Art, courses in, 161-62 Arts and Sciences, college of, 65-81 Attendance, 35, 39 SEE ALSO under Colleges, Schools, and Divisions Auditor, 23, 37 Awards, 29-34 B

Bacteriology, courses in, 163-64 Biochemistry, courses in, 165 Biology, courses in, 166-67 Botany, courses in, 168-69 Buildings of the University, 7-9 Business Administration: Bachelor of Arts curriculum in, 62, 143-44 Courses in, 170-75 Master of Arts curriculum in, 145, 147

Calendar for 1949-50, vii-xi Change in program of studies, 37 Chapel, 44 Chemistry, courses in, 176-80 Civil Engineering: Courses in, 181-83 Curriculum in, 112-13 Classical Languages and Literatures, courses in, 183 Classification of students, 19, 72, 105, Clinics, School of Medicine, 92-93, 96 College Entrance Board examinations, 802 Columbian College (senior college of liberal arts), 65-81 Entrance requirements, 13-14, 58-59 Prerequisite to Bachelor of Arts and Bachelor of Science curricula in. 70-71 Commencement SEE Graduation Committees of the Faculty, xxiii-xxiv SEE ALSO under Colleges, Schools, and Divisions Communications option in Electrical Engineering, 114 Contents, table of, v-vi Continuous registration, 35, 86 Residence fee for, 22 Convocation SEE Graduation Correspondence courses, 72 Counseling, courses on, 196, 282 Course numbers, explanation of, 157-Courses of instruction, 155-313 Credit Credit hour, explanation of, 158 Credit hours, maximum allowed fulland part-time students SEE Colleges, Schools, and Divi-Explanation of amount of, 158 Toward a degree, 37-38 Transfer of For correspondence and home study courses, 72 For professional courses, 74 For summer school work, 18 From other institutions, 12-13,

14, 15, 16, 17 Within the University, 74

D

Dance, courses on, 262, 263, 265 Degrees:

Associate in Arts, 56-64

In Accounting, 53, 63 In Secretarial Studies, 53, 63 Bachelor of Arts, 72-75, 75-78 In Education, 129-30

In Government, 141-44
Bachelor of Civil Engineering, 111-

Bachelor of Electrical Engineering, 111-13, 113-15

Bachelor of Laws, 105

Bachelor of Mechanical Engineering, 111-13, 115-16

Bachelor of Science, 72-75, 75-78 In Engineering, 111-13, 116-17 In Home Economics, 129, 131

In Pharmacy, 12 -23 In Physical Education for Men,

In Physical Education for Women

Civil Engineer, 117 Combined Bachelor of Arts and Doc-

tor of Medicine, 72, 75, 97 Doctor of Education, 136-37 Doctor of Juridical Science, 106 Doctor of Medicine, 97

Doctor of Philosophy, 84-86 Electrical Engineer, 117

Juris Doctor, 105-6. Master of Arts, 78-81 In Education, 133-36

In Government, 145-49 Master of Comparative Law, 106 Master of Laws, 100 Master of Science, 78, 79-81

In Pharmacy, 123-25 Mechanical Engineer, 117 Dermatology, courses in, 185

Dismissal of students, 41 Distinction, decrees with, 39-40 Ser Aiso ur ler Colleges, Schools,

and Divilias Divisional Operation, 70 Dectoral Dissertation, form of, 39

Desp.itories, 41-45 Dramatic, ameses on, 300-301 Dropping courses, 37

Economic Relations, major in. 142, 143 Economics, courses in, 180-91

Education:

Courses in, 192-97 School of, 126-37

Entrance requirements, 17-18, 60-

Educational facilities of the University,

Electrical Engineering. Communications option in, 114

Courses in, 198-200 Curriculum in, 112, 113-14 Power option in, 114-15 Elicibility for student activities, 45 Emeritus Faculty, xxv-xxvi Employment, student, 45.

Endowment of the University, 5 Engineering:

Courses in, 181-83, 198-200, 233-36

School of, 108-117 Entrance requirements, 16-17 English .

Courses in, 201-5 Placement examination, 54, 202 Entrance requirements, 13-19

Examinations, 36 College Entrance Board, 12 For admission, 12, 42

For placement in language courses, 54 For qualifying for advanced standing

or waiving curriculum requirements, 64, 74, 144 SEE ALSO in University calendar

Graduate Record, 11-12 Plassical, 22, 38, 95, 212 Scholastic aptitude tests, 42, 54

F

Faculty: Alph oberical list, xxvii 'x Standing committees, xxiii-xxiv

Fees, 21-23 Fellow Lips, 24-25, 87 Firm cial regulations, 21-23 Foreign Affair

Bachelor of Arts curriculum in, 62, 142-43

Ma ter of Arts curriculum in, 149 Foreign Commerce, major in. 145-44 Forcian language

Placer out examination, 54 Requirements, 57 Foreign Service, curricula in

SEE Foreign Affairs

Foreign Service Review Course, 149 Fraternities, 326 French:

Courses in, 287-89 Placement examination, 54

G

Genetics, course on, 166
Geography, courses in, 206–8
Geology, courses in, 209
Germanic Languages and Literatures,
courses in, 210–11

Government, School of, 137-49
Entrance requirements, 18, 62
Government and Economic Policy,
Master of Arts curriculum in, 145,
147

Grades, 35-36, 94-95, 104 Grading system, 35-36, 94-95, 104 Graduate Council, 14, 82-87

Research Fields:
SEE special bulletin
Graduate Record examination, 11-12
Graduate study, 5

SEE ALSO Degrees
Graduation:

Application for, 38
Dates
SEE University Calendar, ix-xi
Requirements, 38-39

Greek, courses in, 184 Gynecology, courses in, 243-44

El

Health Administration, Department of, 44, 212 Health Services, student, 212

History:
Courses in, 213–17
Of the University, 3–5
Home Economics:
Courses in, 218–20

Curriculum in. 60, 131 Home-study courses 72 Honor Roll, 56 Honor societies, 324–25

Henors, 39-49, 64, 97, 106 Hospital, University, 91, 92 Hospitalization, 212 Hours of instruction, 157

In the Law S. hool, 1 3 Hygiene, course on, 164

Independent study plan, 72, 141 Insurance, courses on, 171, 188, 303 International law, courses on, 227, 229, 275, 276

International Relations:

Columbian College major in. 75, 76-

Master of Arts field in, 78-81 Internships, 96, 98

Journalism, courses in, 221-22 Juni r Co e.c. 49-4 Entrance requirements, 13

L

Labor, courses on, 171, 187, 188, 199, 227
Laboratory fees and deposits, 21

SEE ALSO Courses of Detruction Language placement examination, 54 Language requirements, 57

Languages and Literatures. Division of,

Latin, courses in, 184 Latin America, courses on, 188, 189, 190, 2 8, 215, 216, 274, 275, 276

Latin American Civilizati in and Culture. Columbian Collect inager in, 75, 76-77, 186

Course of study for fereign lawyers,

Courses in, 223-29, 274, 275

Review, 1 1 School, 99-1 7

Entrance requirements, 15-16 Liberal Art , ellicze of, 55-61

Lilmay, 9, 40 Ilms, 4 Law, 4, 101 Medical, 40, 91-92 Rematists, 4

Kern athers, 4 Line instance of the control of the Living and the control of the

Of the School of Medicine, 7 Of the University, 6

11

Major fields in Columbian Colice, 75-78

Marketine, courses on, 173, 174, 222
Mathematics, courses in, 23 v 32
Mathematics and Physical Sciences, Division of, 70

Mechanical Engineering: Courses in, 233-36 Curriculum in, 112, 115-16 Medical Privileges, 212 Medical Technologist course, 98 Graduate and Postgraduate instruc-

tion in, 97-98 School of, 88-98

Entrance requirements, 14-15 Undergraduate courses in, 237-40 Military Science and Tactics, courses in, 241

Musical Organizations, 327

Natural Sciences, Division of, 70 Neurology and Neurological Surgery, courses in, 242

Obstetrics, courses in, 243-44 Ophthalmology, courses in, 245 Order of the Coif, 103, 324 Organizations, student, 326-27 Orthoptic Technician training course, Oto-rhino-laryngology, courses in, 246

Pathology, courses in, 247

Pediatrics, courses in, 248-49 Personnel Administration: Courses on, 171, 196, 235, 275, 280, 282, 283 Master of Arts curriculum in, 145, 148 Pharmacology, courses in, 250 Pharmacy: Courses in, 251-54 Curriculum in, 121-23 Examinations before state boards of, 120 School of, 118-25 Entrance requirements, 17, 59

Phi Beta Kappa, 324 Philosophy, courses in, 255-56 Physical Education: Courses in:

For Men, 257-61 For Women, 262-65 Curriculum:

For men, 61, 131-32 For Women, 61, 132-33 Requirements, 38

Physical examinations, 38

Physical Medicine, courses in, 266 Physics, courses in, 267-70 Physiology, courses in, 271-72 Placement tests, 54, 202 Political Science, courses in, 273-76 Portuguese, courses in, 290 Power option in Electrical Engineering, 114-15 Premedical curriculum, 13, 15, 58

Preventive Medicine, courses in, 164 Prizes, 29-34 Probation:

SEE under Colleges, Schools, and Divisions

Property, responsibility for, 46 Psychiatry, courses in, 277-78 Psychology, courses in, 279-83 Public Administration:

Courses on, 235, 274, 275, 276 Master of Arts curriculum in, 145,

Publications, student, 327

0

Qualifying examinations, 64, 74, 144 SEE ALSO in University calendar Quality-point index, 36

Radio, course on, 299 Radiology, courses in, 284 Reading clinic, 128, 193, 196 Records, transcripts of, 38
Recreation, Physical Education specialty in, 132, 133 Refunds, 23 Registration, 20, 35

Regulations, 35-41
SEE Also under Colleges, Schools, and Divisions

Religion, courses in, 285-86 Religious organizations, 44, 327 Reserve Officers' Training Corps (Medical), 95-96

Residence halls, 44-45 Residence requirements, 39 SEE ALSO under Colleges, Schools, and Divisions

Romance Languages and Literatures: Courses in, 287-92

Placement examinations, 54 right to Rules of the University, change, 41

Russia, courses on, 214, 216, 274, 275, 276

S

Sanskrit, course on, 211 Scholarship, 35-36, 39

SEE Also under Colleges, Schools, and Divisions

Scholarships, 25–29 Scholastic Aptitude tests, 42, 54 Secretarial Studies:

Courses in, 293-94 Curriculum in, 63

Curriculum in, 63 Self help, 45 Semester hour

SEE Credit Hour Shorthand, courses on, 293

Sigma Xi, 324 Social Sciences, Division of, 70 Sociology, courses in, 295-97

Sororities, 326
South America, courses on:
See Latin America

Spanish:

Courses in, 290-92
Placement examination, 54
Special Students, Division of, 19, 151-

Speech:

Clinic, 298
Courses in, 298-30
Staff of Instruction, alphabetical list,

Statistics:

Bachelor of Arts curriculum in, 62, 144 Business and Economic, 145, 147

Courses in, 302-6

Publications, 327

Student:

Activities, 45-46, 326-27 SER ALSO Special Bulletin Bar Association, 102 Employment, 45 Life, 44-46 Organizations, 326-27 Summer Sessions, 153 Surgery, courses in, 307-9 Surveying, courses on, 181, 182, 183 Suspension:

SEE under Colleges, Schools, and Divisions Syphilology, courses in, 185

T

Theatre, courses on, 300-301
Thesis, requirements for, 39
Transcripts of records, 38
Trustees:
Board of, xv-xvi
Committees of the Board of, xviixviii
Tuition, 21
Typewriting, courses on, 293

U

University Students, Division of, 18-19, 150 Urology, courses in, 310

V

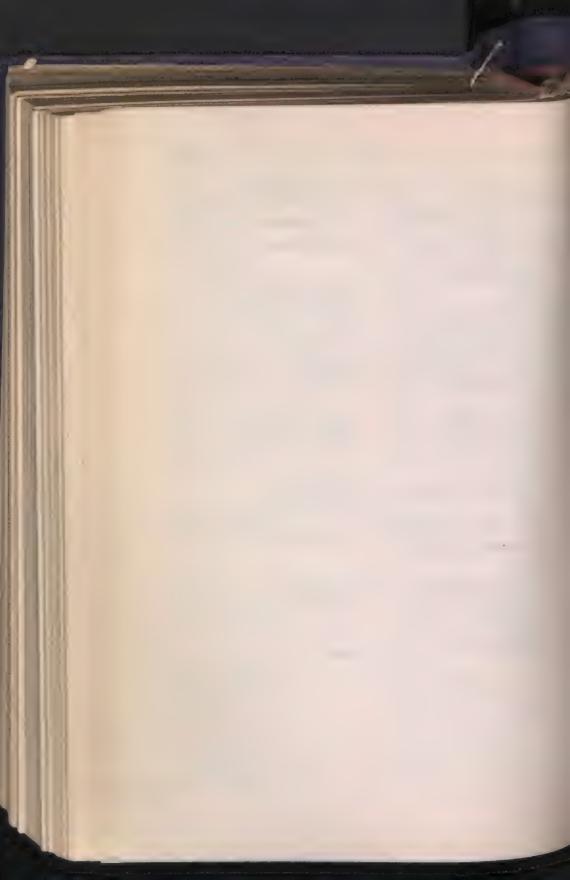
Veterans, 42
Vocational counseling:
Courses on, 282
Master of Arts curriculum in, 145,
148
Washington Counseling Center, 42,
45

W

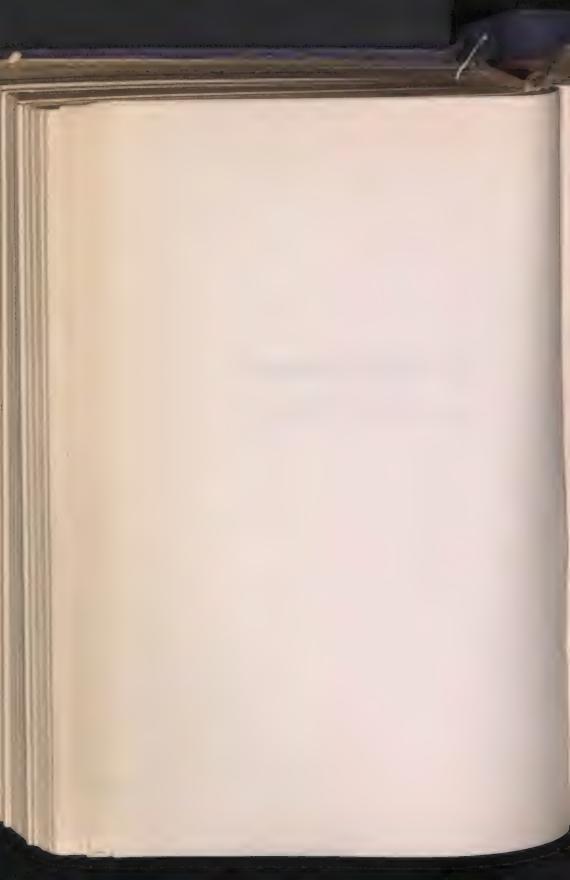
Warnings, 56-57 Washington Counseling Center, 42, 45 Withdrawal, 23, 36-37

Z

Zoology, courses in, 311-13



THE UNIVERSITY RECORD SUMMER TERM 1948 FALL AND WINTER TERMS 1948-49



DEGREES CONFERRED

JUNIOR COLLEGE

ASSOCIATE IN ARTS

Aberg, William Arvid, Jr.	D.C.	Carroll, Thomas Wynn	N.Y. N.Y. N.Y.
Abramowitz, Harry Arthur	N.J.	Caruso, Anthony John Carvantes, Robert Martinez	N' Y
(With distinction) Abramson, Aaron	NV	Chrestein, Marvin Chirestein, Marvin Chirestein, Joe Daniel, Jr.	D.C.
Ackerly, Robert Louis	N.Y.	Chennault, Joe Young	La.
Adams, Alton George	Mil.	Chirelstein, Marvin	N.J.
Adelson, Morton Jackson	N.Y. N.Y.		
Albamonte, Eugene	N.Y.	Ciarrochi, Eli	Pa.
Aldhizer, Carthon Evans	N.C. D.C.	Clark, William Bert	Ga. Va.
Allison, Charles Henry Anderson, Geraldine Elizabeth	Iowa	Clewlow, Carl William Clifford, Marvin Butler	Tenn,
Anderson, William Abbott	Iowa	Cloutier, Rita Gertrude	D.C.
Applebaum, Helene Joan	N.Y	Cochrane, Harriet May	NY.
Arkoian, Garabad	D.C. D.C. Greece	Cole, Charles Herbert	D.C. N.Y. D.C.
Armbruster, Ruth Jane	D.C.	Colvin, Harold Bradford	49 8 .
Armenaka, Rita Emanuel	Greece	Cox, Donald Gilmer	Colo. N.Y.
Bailey Arthur William	D.C. D.C. Mo.	Cox George Joseph	Pa.
Bailey, Margaret Allison	Mo.	Curley, William Henry	Ala
Baker, William Albert, Jr.	Va.	Currier Wade Richardson	DC.
Baldwin, Robert Buckingham	NJ.	Dallaire, Eusèbe Andre	DC.
Armenaka, Rita Emanuel Auriti, Anthony Augustine Bailey, Arthur William Bailey, Margaret Allison Baker, William Albert, Jr. Baldwin, Robert Buckingham Baldwin, William Augustus Barkin, Gilbert Donald Barnes, Kyle Dalaton	NJ. NJ. DC.		D.C. D.C.
Barkin, Gilbert Donald Barnes, Kyle Dalton	D.C. Ala.	Daugherty, Floyd Norton, Jr.	D.C.
Barnhart, Arthur Gooding Barron, Paul Jerome	D.C.	Dean, Willis Calvin DeBlois, Jean Paul	R I.
	Pa.	L C Dishard David	Va.
Barson David	Mass.	DeBlois, Jean Paul deCamara, Richard Paul (With distinction)	
Bartlett, William Hugh Beck, Mary Elizabeth Benington, Orchard	Va.	Delaney, John Aloysius	Mich.
Benington Orchard	Va.	Denton, Elmo Hilliard	У. С.
Benkovic, Simon Edward	Pa.	(With distinction) Delaney, John Aloysius Denton, Elmo Hilliard Dentz, Robert Joseph Detty, George William, Jr.	NC. DC. DC. DC. DC.
Beran, Irene Frances	Pa. Wis, DC. DC.	Devan, Joseph Francis	DC.
Berenson, Mendelle Tourover	DC.	Dibble, David Eugene	D.C.
Berg, Louella Miller	DC.	Diffenderfer, Anne Lenoir	DČ
Bibb, Lawrence Clayton	Va.	Dilliplane, Earl Kenneth	ra.
Blake, William Lucius Blute, William Augustine	D.C. D.C.	Dixon, George Carlton Dodson, Flha Aileen	D.C.
Bohon, Robert Marion	D.C.	Dodson, Elba Aileen	Va.
Panalan II E - 1 317111			D.C.
Borrus, Bernard David	V. I.	Donnelly, William Francis Driscoll, John Joseph	DC.
Bowers, Richard Simpson	DC	Dunn, Constance June	D.C.
Breck, John Robert Brice, Lawrence Etheridge, Jr.	NJ. DC. DC. NC.	Dunn, George Martin	Conn
Brice, Lawrence Etheridge, Jr.	DC.	Eddingfield, Carol	DC.
Brock, Xavier Martin, Jr.			D.C. N.Y. D.C.
Brown, Russell Martin, Jr. (With distinction)	Md.	Elder, Helen Koch	D.C.
Bruckner, Raymond Lawrence	Mont.	Elliott Stocker I was	D.C.
Dullock, Frederick Allyn	D.C.	Fach Flhert Frederick	DC.
Bultman, Dale	111.	Escobar, Blanca Gloria	Presto Rico
Bunting, Clyde Ellis	D.C.	Estanich, Joseph Anthony	Pa
Burroughs, George Aloysius	D.C.	Eve, Christopher FitzSimon	S.C.
(With distinction) Byrne, Michael Joseph Cameron, John William Campbell Louis Callage Te	27 20	Eldridge, John Fox Elliott, Stephen Lyons Esch, Elbert Frederick Escobar, Blanca Gloria Estanich, Joseph Anthony Eve, Christopher FitzSimon Evenson, Norma Doris Farber, Betty A. Farrell Samuel Lames	DC.
Cameron, John William	N.Y.	Farber, Betty A.	NY.
Campbell, Louis Cellars, Jr. Cantrell, Lawson James, Jr.	D.C.	Faldman David	Conn.
Cantrell, Lawson James, Jr.	DC	Ferrara Gennaro	N.Y.
Capital, Edward Ioseph	Pa.	(With distinction)	.Y.J.
Carothers, Constance Olive Carpenter, Gladys Rosemary	Mass.	Fields, Roland Carmel	NC.
The Charles Rosemary	Fin.	Farber, Norma Dora Farber, Betty A. Farrell, Samuel James Feldman, David Ferrara, Gennaro (With distinction) Fields, Roland Carmel Filipek, Edward Gregory	Mass.

			Md.
Finney, Robert Ross	D.C.	Hurst, Thomas Lee	DC.
Fitzpatrick, June (With distinction)	Pa.	Hurwitz, Harlan Earl Ikegami, David Takeshi Imirie, Charles Wade	Hawaii
(With distinction)	D.C.	Imirie, Charles Wade	Md.
Fleishman, Irving Fletcher, Bennie Lyle, Jr.	Va.	Ivey, James Du(nett	D.C. D.C. D.C.
Floyd, John Phillip Foley, Michael Edward Ford, John Joseph Fortugno, Alfred Eugene Fortune, William Charles Francis, William McCafferty Francis Phillip Fale	Mo.	Jacobe, William Henry James, Paul Marshall	D.C.
Foley, Michael Edward	D.C.	James, Paul Marshall	Kans.
Ford, John Joseph	NJ. NC.	Jaynes, John Thomas Jenks, Loren Morgan, Jr.	Va.
Fortugno, Alfred Eugene	× 6.		Iows
Fortune, William McCafferty	\ a.	Jennings, Mary Claire Jensen, Mabel Schauble	D.C.
Francis, William McCanerty Franklin, Philip Earle Freese, Herbert Allan, Jr. Frey, Kathryn Helen Frishman, Karl Herbert Fuchs, John Edward, Jr. Funk, Richard Hodges Funken, Robert Henry	Va.	Jensen, Mabel Schauble	Mass. Ohio
Freeze, Herbert Allan, Jr.	N. J.	Johnson, Leslie Allison Johnson, Paul Fogarty Jones, Everitt Craig, Jr.	N.H.
Frey, Kathryn Helen	Oreg.	long Fregist Crair Is	N.C.
Frishman, Karl Herbert	D.C.	Jones, Hubert Glenn	Ga.
Fuchs, John Edward, Jr.	Kans.	Kaden, Rita	N.J.
Fursdon, Robert Henry	DC.	Kaden, Rita Kane, Frank Michael	Pa. D.C. N.Y. Va. D.C. Md. D.C. N.Y. D.C.
Futterman Sidney	Md	Kaplan, Bertram W. Karpas, Herbert	N.Y.
George, Joan Marjorie George, Richard Bennett	Va.	Karpas, Herbert Kay, Harold Henry	Va.
George, Richard Bennett	Va. Va.	Keshey William	D.C.
	DC.	Keahey, William Kilden, Jack Harvey	Mg.
Gieseking, Charles Frederick Gilbert, George Milton	Fla	Kingsbury, James Calvin Knoph, Herman Joseph	NY.
Cittalman Flinor Ann		Knoph, Herman Joseph	D.C.
Citaloman Herman Max	Md.	Koplin, Allen Atlas Kowalski, Fred Herman	Conn.
Glassman, Gerald John	N.Y.	Kowan, Ethel Jean	D.C
Glassman, Gerald John Glesson, Georgette Elizabeth (With distinction)		Krakow, Morton Joseph	\\'z.
(With distinction)	N.Y.	Krakow, Morton Joseph Kravetz, Herman	Md. D.C. Md.
Goldberg, David Goldberg, Seymour	NY.	Kuetz, Stanley Morton	Md.
Goldman, Alfred Merton	N.Y. N Y. D C. D C. D C.	Kyriazis, Peter William	D.C.
Goldstein, Raymond Norman Goodwin, Robert Joseph	DC.	Lacovara, Nicholas John LaCovis, Mary Anne	D.C
Goodwin, Robert Joseph		(With distinction)	Va.
(With distinction)	DC DC. NY. DC.	Ladue Dorothy Eunice	pc
Greenanan Lorraine	DC.	Lanckton, Myrtle Ann Lansing, Edward Watson	No
Greenspan, Lorraine Greenwald, Robert Frederick Greenzaid, Judah Grimani, Fred Joseph (With distinction)	NY.	Lansing, Edward Watson	Md.
Greenzaid, Judah	D C. Ohio	Laubinger, Frank Herbert Lawrence, Willis Dale Lawson, Adrian Lee LeBlanc, Joseph Lenol Lebrecht, Richard (With distinction)	Nebr. Va.
Grimani, Fred Joseph		Lawson, Adrian Lee	La.
(With distinction)	NY. DC. D.C.	LeBlanc, Joseph Lenol	N.Y.
Gross, William Burton Gross, Martin	NY.	Lebrecht, Richard	
Groves, Stanley Corley Hager, Florence Betty Haley, Peter John	D.C.	(With distinction)	D.C. D.C. N.Y.
Hager, Florence Betty	D.C.	Lentz, Walter Scott, Jr. Leontarakes, Kalleope Marie	D.C.
Haley, Peter John	Va. Va.	Lessuk Gerald	Mass.
Haney, Florence Louise	D.C.	Lessuk, Gerald Levart, Herman Henry	Mans. Va. D.C. D.C. Mo. D.C.
Hansen, Margaret Carolina Hanst, Philip Lincoln	D.C. N.J.	Levenson Judith Shirley	D.C.
		Levy, Charles Kingsley Lewis, Edwin Newell, Jr.	D.C.
Harman, Arthur Crawford, Jr. Harmstone, Richard Channing (With distinction)	D.C.	Lewis, Edwin Newell, Jr.	D.C.
Harmstone, Richard Channing	D.C.	Lincouck, Stanley Martis	D.C.
(With distinction)	DC	Linchuck, Stanley Martin Lipscomb, Nancy Harris Litz, Paul Robert	W.Va.
Harrison, Byron Edward Haupt, Charles Caldwell Heller, Norman Harold	D.C. D.C.		D.C. W.Va. D.C. N.Y. D.C. N.J.
Heller Norman Harold	Ald.	Longfellow, Don Woodward	N.J.
Hennessy, James Joseph, Jr. Herbert, Edward Leslie	Pa.	Longfellow, Don Woodward Longfellow, Edwin Connor Loomia, Gilbert Brainard, Jr.	N.Y.
Herbert, Edward Leslie	DC.	Lynn, Bernard	N.I.
Hildebrand, Herbert William	Va.	Machina John	Va.
Hill, Richard Work	D.C.	Machita, John Mackey, Argyle Robert, Jr.	Minn.
Hilton, John Perry Hines, William Albert Hiss, Alfred Lee	Tenn.	Malowski, Mary Marguerite Maples, Huston Ladbetter, Jr.	Md.
Hisa, Alfred Lee	W. V.a	Maples, Huston Ledbetter, Jr.	N.Y.
Holiman, Bruce Nowell, Jr.	Md.	Marcuse, Ernest Marks, Fred Jeanne	Mins. Md. N.Y. D.C. Ohio Als. D.C. Va.
Hoffman, Robert Douglas Howell, Frances Dodd	Md.		Als.
Howell, Frances Dodd	DC.	Martin, Robert Laverne	D.C.
Howison, Irene Santl Hubbard, Myla	Ind	Martin, William Francis	Va.
Hubbard, Myla Huck, Clifford James	Town	Marvey, Adolph Louis	Dic
Hulfish Isaa Pannington	l'a.	Martin, Robert Laverne Martin, William Francis Marvey, Adolph Louis Marzo, Floyd	Maine
Hummer, Robert Warren	D.C.	Mason, Chaytor Diez McAvoy, Philip James	D.C. Wa. Maine D.C.
Hummer, Robert Warren Hundley, Herbert Wendell Hunter, Guy Norman	Va. D.C. D.C. D.C.	McCeney, Buchanan Houston	
come, our nomen	20.		

McCloskey, Sylvester John	· Pa.	Rosen, Jack Leopold Rosen, Sam	Va.
McCullough, William Harrison McDonough, William Royce	Md.	Rosenblum, David Joseph	D.C.
McDonough, William Royce	Mont.	(With distinction)	Ed. S.
McDowell, Mildred Ann	D.C. Mass.	Ross Ronald McKenzie	D.C
McKay, Joseph Patrick McMurray, Hazel Albertine Thompson	S.C.	Rouleau, James Petric Rozzelle, Frederick Russell Runkle, Denton William Saccardt, Clarence Richard	D.C.
Merritt, Arthur Donald	D.C.	Rozzelle, Frederick Russell	Va
Michael, Irving	S.C D.C. D.C.	Runkle, Denton William	Va.
Mickelsen, Frank Ray	Va	Saccardt, Clarence Richard	D.C
Minasian, George	N.Y.	Sallas, Gustav Adolph Sanders, Frank Powell	D.C N.C.
Moffatt, Samuel John	N.Y. D.C. N.Y. D.C.	Saska, Stanley Derby	D.C D.C
Monahan, Stephen Thomas Moore, Jesse Lee	D.C.	Savage, Iulian Saville, Iohn William	D.C
Moran, Charles Vincent	Vs.	Saville, John William	Md
Morlock, Harry Kenneth	D.C.	Schankel, Norman George, Jr.	D.C
Morris, Lewis Dawson	Va.	Schoolfield, Nellie Louise	D.C. W.Va
Morris, Robert Earl	Mass.	(With distinction)	44 - 4 4
(With distinction) Morrison, Ralph Robert	D.C.	Schrier, C. Fesher	N.Y.
Moskowitz, Milton Sam	D.C.	Schulman, Sidney	Va.
Moskowitz, Milton Sam Mulhearn, Rupert Albert	R.I.	Schwartzback, Sol Marvin	DC
Munro, Catherine Chenoweth	Md.	Scotton, Kenneth Martz Scruggs, Claude Greene	WVa
Murphy, Barbara Fuller	D.C.	Sent Mogan Swaim	D.C
Murphy, Eleanor Marguerita Murray, Charles Ambrosa	Mass	Sebastian, Elsie	Conn
Naecker, Priscilla	D.C.	Sehastian, Elsie Senctiona, Thomas Joseph	N.Y.
Neill, James McDow	D.C.	Should Adrian Grant	Va
(With distinction)		Sheekan, Edward Patrick Sterard, Virginia Mae Shipley, Edward George Stroder, Jack Carl Shore, Parkhurst Alan	OFB
Nemes, Michael Stephen	N.Y. Fla.	Steratel, Virginia Mae	D.C D.C
Nernberg, Ralph Amos Neuss, Cecile	N.Y. D.C. D.C. D.C. D.C.	Struder Jack Carl	D.C.
Nones, Walter Lohmann	D.C.	Shore, Parkhurst Alan	D.C N.J Md N.D
O'Brien, James Dennis	D.C.	Siegier, Judith Liten	N.J
Olshaker, Irving Orloff, Milton	D.C.	Silverman, Norman	Md
Orlott, Milton	D.C.	Sletten, Robert Eugene Sloan, Richard	N.13
Palmer Robert Edward	Md. Calif.	Small, Leonard	NY
Owens, Clarence Julian Palmer, Robert Edward Pasco, Nicholas Daniel	Mass	Smith, Lawrence Crane	N.Y
Patien, Bernard Leonard	D.C. D.C	Smith, Melvin Soltz, Shirley	N.Y N.Y N.Y. N.J.
Paulos, David Theodore	D.C	Soltz, Shirley	N.J
Pavia, Joaquin Antonio Pavia, William Walter	Md	Sotta, Robert Eugene	Va
Pence, Thomas Arthur	D.C. Va.	Spence, Charles E., Jr. Stickney, Herbert Camp	Idaho Miss
Penningroth, Ann	D.C.	Stone, Joseph Jack	D.C
Pericles, John	Pa.	Strugatz, Seymour	D.C.
Persian, John Gregory Persson, Norman Edward Petsko, John	Va.	Stultz, Norman Frederick, Jr.	Mass
Persson, Norman Edward	D.C.	Swartz, Eugene	D.C
Dhilling Enderick David	Pa.	Tamson, Robert	D.C Va
Phillips, Frederick David Phillips, Laura Marley	D.C.	Tanneberger, Walter Samuel Herman Taylor, John Henry	Va.
Picciano, Marie Emile	D.C.		V'a.
Poole, Robert Smallwood	D.C. D.C. D.C.	Terkoski, Sylvester Adolph Terrell, Edwin McClellan Thaler, Milton	Pa.
Potter, Stanley Eugene Preston, Walter Harlan Pullinzi, Antonio Anna	W.Va. D.C. N.Y.	Terrell, Edwin McClellan	Kans
Preston, Walter Harlan	D.C.	Thaler, Milton	Va
Rainerd Illeia Muham	Mass.	Theriault, Rene John Thompson, Harry Francis	Va.
Rainard, Ulric Hubert	N.Y.	Titesler, Ruby Bonita	Wis D.C
Ramsay, Gwendolyn Clare Randall, Courtland Stanley	Md.	Treadway, Leon Wesley, Ir.	N's
Randall Richard Rainier	D.C.	Trentacosti, Rosario Charles	N.Y
Rawlings, Joseph Edwin, Jr.	D.C.	Trimble, Eugene Earl	Ks
(With distinction)		Trumper, Mary Madelaine	Ka
Regan, James Andrew	Mass.		13
Reid, Joseph Bernard Renborg, Bertil	D.C.	Turner, Mary Johnston	DC
Rhynsburger, Robert Whitman	Sweden Va.	Unzicker, Roy Kenneth Vanderpol, Jack	Va
Rhynsburger, Robert Whitman Rich, Donald Jenkins	Va.	Vaughn, Leonard Walton	N.Y
Richardson, Henry Ansley Richardson, Thomas Totten	Va	(With distinction)	
Richardson, Thomas Totten	D.C. N.Y. N.J.	Verta, James	N.I
Rieber, William James Roberts, Henry, Jr.	. N.Y	Vorobey, Alexander	D.C.
Robinson, Robert Secretary	N.J.	Waganheim, Zelick	D.C
Robinson, Robert Strother Rogal, William Walter	Pa	Wagner, Harry Larue Wainstein, Leonard	N.I D.C. D.C. D.C. N.Y.
Rogers, Rejinal	Wis	(With distinction)	44.1.

Wallerstedt, Lois Anne Warner, William Claffin Warren, Mary Lois (With distinction) Ways, Douglas Arthur Weingrad, Richard Herbert Weinstein, Harvey Harold Weinstein, Robert Earl Wellington, Perett Wenger, William Fred Whaley, Mary Virginia White, Horace Walter, Jr. Wilkinson, Richard Sterling Willis, Harry Everett Wilson, Joyce Marguerite (With distinction) Wilton, Francis William	Va. Md. Ala. W.Va. N.Y. D.C. D.C. N.Y. Md. W.Va. Calif. D.C. Iowa D.C.	Winkel, Robert Paul Wolfarth, Carlton Huntington Wolf, Gerald Spalding Wolfson, Reuben Wostein, Benjamin Wright, Carney Willia Wrobel, Joseph Norman Wunder, Newton Andrew Younes, William Gabriel Yowell, Earl Reddish Zachary, Richard Eugene Zasada, Richard Eugene Zasada, Richard Conrad Zitomer, Joseph Zoll, Nathan Hyman Zugel, Mary Jean Edna Zuckerman, Martin Jay	N.J. D.C. D.C. N.Y. D.C. D.C. N.Y. Md. D.C. Va. D.C. Va. D.C. N.J.
--	--	--	--

FEBRUARY 22, 1949

Aldridge, George Martin	D.C.	David Harm	Va.
Alexander, Harold Bell	D.C.	David, Harry Davies, Edith Maurice	D.C.
Allison, Mary Ellen	D.C.	Davis, Richard Frants	Va.
Altszuler, Norman		Davison, Martin Louis	D.C.
Atkin, Greta Ruth	Conn. D.C.	Dempsey, Jene Leonard	Miss.
Aylward, Patricia Eileen	Maine	Dickey, Pauline Edith	Wash.
Bader, Michael Haley	Calif.	Dierks, John Henry	Pa.
Baisinger, Grace Chapolis	D.C.	Dietz, Glenn Allen	Fla.
(With distinction)	D.C.	Donaldson, Allyn Capron, Jr.	D.C.
Baker, William Clinton	D.C.	Dorie, William Matthew	N.Y. N.D.
Baker, William Harold	III.	Dougherty, Thomas James	N.D.
Bartelloni, Henry John	Mass.	Duncan, John David	W.Va.
Bay, Paul Georgeoff	III.	Duncan, John Ogilvy	V8.
Beaver, Carol Westbrook	D.C.	Dunn, Arnold Samuel	N.Y.
Bergman, William Hunter	D.C.	Dyck, William Donald	D.C.
Berry, Seymour	N.Y.	Eberhardt, Thomas John	Pa.
Bevins, Roswell Morton	Vt.	Edwards, Marion William	Kans.
Billingsly, Charles Marion	111	Edwards, Rostand Hurbit	Okla.
Bowen, Verna Sarah	Utah	Elkin, Benjamin	Ill.
Bradford, Ralph Gordon	Va.		Va.
Brodnan, Betty Jane	Wis.	Enriquez, Jean Gordon Evans, John Penhallow, Jr.	D.C.
(With distinction)	44.10.	Everett, Gerald Waddell	D.C.
Brooks, Nellie Walker	Va.	Falatko, Thomas Stephen	Pa.
Brown, Dennis David	. N.I.		Conn.
Brown, Donald Arthur	N.J. D.C.	Falk, Stephen Ackley	Va.
Bruce, Charles Warren	Mass.	Farris, Frederick Joseph	
Buck, Barbara Lou	Va.	(With distinction)	Va.
Buck, Samuel Otho	D.C.	Faulkner, Richard Fulton	Va.
(With distinction)	D.C.	Faustman, Donald Milton Featherstonhaugh, Arthur Cambronne I	II Md.
Bullough, John Frank	Md.	Passacif Wallace Francis	Pa.
Bunker, Grace Isabella	Md.	Fetterolf, Wallace Kermit	Del.
Burchard, Kathryn Anne	N.J.	Fleetwood, George Harlan	N.Y.
Burgess, Eileen Elizabeth	Mo.	Flexer, Morton	N.Y. Pa. Va.
Burns, Eugene Joseph	N I	Flynn, Paul Chadwick	Va.
Caffish, Frank Albert	N.J. Win.	Fouche, James Edwin	N.Y.
Callander, Ann Deeley	Md.	Galloway, Clark Hamilton	N.Y.
Carroll, Douglas Stewart	N.Y.	Ginsberg, Julius	D.C.
Chapper, Frank Morris	D.C.	Goldfarb, Louise Marilyn	Va.
Chin, Robert	D.C.	Gottesman, Alexander Morey	D.C.
Chorost, Helen	N.Y.	Gravitz, Melvin A.	D.C.
Clark, William Giddings	Md.	Guerra, Serafim Lawrence	Kans.
Cohen, Herbert	N.Y.	Hadlock, Robert Lewis	N.Y.
Courtright, Ann	Md.	Hanley, Charles	N.Y.
(With distinction)	AVANA.	Hansen, Walter Daniel	D.C.
Craig, George Arthur	Va.	Harrison, Archibald Chapman, Jr.	Pa.
Cumpiano, Brunilda Edmée	NI.	Harrison, Ruth	N.Y.
Daggit, Elizabeth Middleton	Va.	Harrow, Robert Lee	D.C.
Dalonas, John	Va.	Havens, William Dodge, Jr.	Mass.
Daly, John Joseph	Va.	Hebert, Paul Edmond	Md.
Darmstadter, Joel	D.C.	Hedges, Richard Henry	7630.

Hendershot, Gladys Elaine Hendrix, Arthur Keith Hickey, Robert Edmund Hite, Winston, Martin	Md.	Panor, Marie Pape, Robert Bruce	D.C. D.C. D.C. Wis. D.C.
Hendrix, Arthur Keith	DC	Pape, Robert Bruce	N.Y.
Hickey, Robert Edmund	Conn.	Parker, John Elliott Perkins, Edgar Madison, Jr.	D.C.
Hoffman Con, Martin	Va.	Periman, Al B.	Wis.
	N.Y. DC.	Perns Louis Robert	D.C.
Hollingshead, Robert Sullivan, Jr. Hude, Harry William	Miss.	Persiani. Rosemary Pettinicchi, Arthur John Poch, Donald Richard	N.Y. Va. N.Y. D.C.
Hudson, Robert Ray, Ir.	D.C.	Pettinicchi, Arthur John	N.Y.
Hudson, Robert Ray, Jr. (With distinction)		Poch, Donald Richard	Va.
	D.C. D.C. D.C. D.C.	Porro, Ralph Anthony Poston, John William Price, Hoyt Glenn	N.Y.
Jennings, James Murray Johnson, Clyde George Johnson, Patricia Anne	DC.	Poston, John William	Va.
Johnson, Clyde George	D.C.	Quigg, Barbara Lou	Va.
Onnson, Patricia Anne	DC.	Daker Geraldine Lieblich	Va.
Jones, Compton	Ohio	Reagan, Ralph Clifford Rhodes, Eric Foster	Tenn.
Ionson Carl France	Va.	Rhodes, Eric Foster	D.C.
Nananack, Karbara Audrew	NY.	Riggs, Bradner Charles Roberts, Mary Martitia Robertson, Wilbert Joseph Rosenberg, Walter Saul	Va.
Kantrowitz, Gerald Kerr, Roger Theodore	Conn	Roberts, Mary Martitia	Ark.
Kerr, Roger Theodore	Va.	Robertson, Wilbert Joseph	DC.
Kinche, Aaron Kinby, Homer Hugh Kittle, John Lewis Klein, Leonard Adam Kolker, Irvin Kraller, Irvin	Va. D.C. D.C.	Rosenberg, Walter Saul	N.Y. Mass.
Kirth, Homer Hugh	DC.	Ruboy, Jordan Sumner Ryan, Edward Joseph Ryan, Edward Thomas, Jr.	Pa.
Klein Leonard Adam	Miss. Ohio	Ryan Edward Thomas, Ir.	R.I
Kolker, Irvin	DC	Schachtel, Norman Herman Scheckel, William Howard	R.I. N.J.
Kraller, John Edward	N.Y.	Scheckel, William Howard	Md.
Kriner, George Marion	DC.	Scheltema, Rudolph Siegfried Schreiner, Margaret Abramitis	Md.
Kraller, John Edward Kriner, George Marion Kudataky, Nathan	D.C. N.Y. D.C. D.C.	Schreiner, Margaret Abramitis	N.J. N.Y
Nyie, riugh Campbell, Ir.	Mo. N.Y. D.C. D.C.	Schuman, Larry	N.Y.
Ladisky, Bernice Edythe	N.Y.	Sebastian, Virginia Jean	Conn. DC.
Lambert, Robert Lyman Larkin, Maureen	D.C.	Shamigian, Zuvart Shanks, Oscar Eugene, Jr.	Md.
Lawson, Howard Birger Layton, Cleo Franklin Leckband, Paul Leichter, Jerome Raymond Levin, Edward Levyn, Edward	Va.	Sharkey, James Francis Sharkey, James Francis Shelly, George William Shouse, William James Simon, Samuel Louis Singer, Stanley Irvin Singman, Julian Howard (With distinction)	Pa.
Layton, Cleo Franklin	Pa.	Shelly, George William	Pa. N.J.
Leckband, Paul	Iowa	Shouse, William James	Ky.
Leichter, Jerome Raymond	N.J. Va.	Simon, Samuel Louis	Mass.
Levin, Edward	Va.	Singer, Stanley Irvin	D.C.
Levy, George Joseph Eli Lindsay, Douglas Edward	Mass.	Singman, Julian Floward	D.C.
Longyear, Robert Rudston	Mass. NY. DC.	Sloane, Edward Frederick	Ma
Longyear, Robert Rudston Love, James William Lundgren, Henry Willard Lundgren, Suzanne Stone Luscomb, Charles Edward, Jr. MacNeil, Joseph Hector Magner, Joseph Paul Mann, Robert Urban Marks, Donald Martusevich, Gregory Paul	129.	Smith, David Bushnell	Md. DC. NC. NY. DC. DC.
Lundgren, Henry Willard	Wash.	Smith, David Bushnell Smith, Walker William Sorell, Gerald Paul	NC
Lundgren, Suzanne Stone	DC.	Sorell, Gerald Paul	NY,
MacNeil Joseph Homes	Conn.	Steece, Philip John Stein, Orren Fischer	DC.
Magner Joseph Paul	D.C.	Stein, Orren Fischer	DC.
Mann, Robert Urban	DC	Steinert, Leif Magne Emil	NY.
Marks, Donald	N. V.	Steininger, Eugene Beachel Stone, Betty Trump	Pa. DC.
Martusevich, Gregory Paul	DC. DC. DC. N.Y. N.Y.	Stratton, Eugene Aubrey	Mu.
Martusevich, Gregory Paul Mason, Gwendolyn Hunsicker	Va.	Strawbridge, Lawrence William	Mass, DC DC, N J. Va. DC DC Va
(With distinction)		Streett, Burnett Irvine	DC
Mathias, Richard Bingham	D.C. N.J. Mo.	Susser, Arthur Tanner, Thomas Louis, Jr. Taute, Carl Max	NI
Wilderiello, Nicholas Michael	N.J.	Tanner, Thomas Louis, Jr.	Va.
McCall, Chester Hayden, Jr.	Mo.	Taute, Carl Max	DC
McDonough, Raymond John	NY. Va NY. D.C.	Teeter, Lawrence William	DC
McDuffee, Lois June McNiff, Philip Aloysius	1 2	I homas Howard Adams	Va
Mesnard, Melvin L.	D.C.	Thompson, Dorothy Morse	DC.
Meyer, Lucille W	Tex.	Thompson, Elizabeth Anne Ticktin, Howard Erwin	1)(
Wichaud, Lewellyn Richard	Maine	Trimble, Mary Allan	DC DC.
Willer, Samuel Duncan	DC.	Trumbull, Robert Gav. Jr.	DI.
	Va.	Tully, Richard Edward	III
Witter Springs Daid		Turney, Joanne	Calif
Moran Clauncey	Md.	Vann, Maurine Elizabeth	Md.
Morales, Donald Chauncey Moren, Clarence Gill Morrison, Robert Reid	Md. Md. NY.	Vorbach, Charles Frederick	DC
Morrissey Raymond	DC.	Vorbach, Charles Frederick Walker, Russell Louis	l'a
Mueller, Peter Klane	DC	Walter, Richard Henry	DC
Morrison, Robert Reid Morrissey, Raymond Mueller, Peter Klaus Muse, Claude Revere, Jr. Myrick, Donald Marshall (With distinction) Nolan, Sarah Marie	DC. DC. DC. DC. N.Y.	Warmack, William Davies	DC DC. Md.
Myrick, Donald Marshall	N. F.	Wells, Richard Glenn West, William Royster	Md.
Note (With distinction)	44.5.	White, Robert Bellarmine	D.C.
Nolan, Sarah Marie	DC	Wiener Harvey	D C III
Ormond, William Berkeley Ostrich, Ralph	Md.	Wiener, Harvey Wolfe, Allen Lee	Mo
men, Kaipn	D.C.	Wood, Harry Eugene	Mo S C.

The University Record

Yanamoto, Kenneth K. Young, Ina Marie JUNE I 1949 Adair, James Reid Ahlfield, George Samuel Albert, Sterling Hartwell Albert, Marken Benton Balter, Marion (With distinction) Anderson, William Walter Bair, William Benton Balt, Marillyn Alice Baner, Marion (With distinction) Ball, Marillyn Alice Barber, Mar McCalle Barrest, John McCalle Barr	[).	Villimics mient ventil Countries.	Va.	Wulf, Pearl Elizabeth
JUNE I 1949 Idair, James Reid Hillied, George Samuel Hort, Sterling Hartwell Lezander, Roy Malcolm Usehand, Aelene Lowen, Heebest Daniel Marama Berith (With distinction) Hort, Sterling Hartwell Lezander, Roy Malcolm Usehand, Aelene Lowen, Heebest Daniel Marama Berith (With distinction) Hort, Marily Malcer Andrewa, Adeline Lovell Atkinson, Roderick Dhu Baden, Francis De Sales Sair, William Benton Saker, Marion (With distinction) Ball, Marillya Alice Barnes, Marion Lowen, Maring Parama, Reiden Barnest, Marion Lowen, Maring Parama, Robert Clark Barnest, Marion Lowen, Maring Parama, Robert Clark Barnest, Hort, George William, Jr. Baumann, Faberard Morman Ralph Beacham, Samuel Timothy, Jr. Bechnoldi, Clesus Joseph Bellew, Raymond Fulton Bell, Daniel Harrita Bernet, June Homas Bernet, June Robert Clark Bennet, June Robert Clark Bennet, June Robert Walter Bernet, June Robert Walter Bernet, June Homas Bernet, June Homas Bernet, June Robert Walter Bernet, June Homas Bernet, June Homas Bernet, June Robert Walter Bernet, June Homas Bernet, June Homas Bernet, June Marie Bernet, June Homas Bernet, June Homas Bernet, June Marie Bernet, June Homas Bernet, June Marie Bernet, June Homas Bernet, June Homas Bernet, June Marie Bernet, June Homas Bernet, June Marie Bernet, June Homas B	N.	(With distinction)	Md.	amamoto, Kenneth K.
Mair, James Reid Miheld, George Samuel Miller, Sterling Hartwell Meander, Roy Malcolm Michash, Arlene Millam, Millam Benton Balker, Marion Mithash, Millam Benton Ball, Marillyn Alice Banre, Virginia Lee Barber, Mar McCallie Barnet, James McCallie Barnet, Abby Jo Barr, Solomon Elizem With distinction) Barr, Solomon Elizem With distinction Barr, Solomon Elizem With distinction Barr, Solomon Elizem With distinction Barr, Solomon Elizem With distinction Barr, Solomon Elizem With distinction Barr, Solomon Elizem With distinction Barr, Solomon Elizen Baumann, Elabard Norman Ralph Beachan, Samuel Timothy, Jr. Beckman, Gardsw Walter Barnen, Hohams Berner, Lum Thomas Berner, Mary Berner,		Zysk, John Joseph	D.C.	Joung. Ina Marie
dair, James Reid hlheid, George Samuel hlbert, Sterling Harwell hlerander, Roy Malcolm hlesander, Marion hall, Marillyn Alice harre, Solomo Elizem harre, Solomo Elizem hlesander, Marion hall, Marillyn Alice harre, Solomo Elizem harre, Solomo Elizem harre, Solomo Elizem harre, Marion hall, Marillyn Alice harre, Solomo Elizem harre, Marion hall, Marillyn Alice harre, Solomo Elizem harre, Solomo Elizem harre, Solomo Elizem harre, Marion hall, Marillyn Alice harre, Solomo Elizem harre, Solomo Elizem harre, Solomo Elizem harre, Marion hall, Marillyn Alice harre, Solomo Elizem harre, Solomo Elizem harre, Solomo Elizem harre, Marion hall, Marillyn Alice harre, James Brent, Jr. harre, James Brent, Jr		1010	TUNE	
Milbert, Sterling Hartwell Milbert, Sterling Hartwell Melexander, Roy Malcolm Michash, Antene Milking Manten Milk	1)			
And the second of the second o		Cutar Daniell Denmente	V a.	Idair, James Reid
Barnett, Abby Joy Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Baumann, Edward Norman Ralph Beeacham, Samuel Timothy, Jr. Beechtoldt, Cleaus Joseph Beekman, Gurden Walter Beegley, Jame, Joseph Belew, Raynend Folton Bell, Daniel Harnty Bennett, Lon Katthleen Benson, Mildred Bennett, Ioan Entablen Berner, Joan Thomas Berner, Joan Thomas Berner, Joan Holm Berry, Hugh Gordon Berryman, Richard Blanton, Jt. Bie, Rita Marie Billick, Eugene Wycoff, Jr. Birnbaum, Eugene Albert Bonnema, Jean Marie Bornnamn, Carl Louis Bornstein, Irwin Seymour Botts, Max Eugene Bramett, Low Halt, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brusk, Stanley Burk, Paul William, Jr. Burk		Carrie Down I dward	111.	Ahlheld, George Samuel
Barnett, Abby Joy Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Baumann, Edward Norman Ralph Beeacham, Samuel Timothy, Jr. Beechtoldt, Cleaus Joseph Beekman, Gurden Walter Beegley, Jame, Joseph Belew, Raynend Folton Bell, Daniel Harnty Bennett, Lon Katthleen Benson, Mildred Bennett, Ioan Entablen Berner, Joan Thomas Berner, Joan Thomas Berner, Joan Holm Berry, Hugh Gordon Berryman, Richard Blanton, Jt. Bie, Rita Marie Billick, Eugene Wycoff, Jr. Birnbaum, Eugene Albert Bonnema, Jean Marie Bornnamn, Carl Louis Bornstein, Irwin Seymour Botts, Max Eugene Bramett, Low Halt, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brusk, Stanley Burk, Paul William, Jr. Burk	1)	t astro, Authory Joseph	Pa.	Modert, Sterling Flartwell
Barnett, Abby Joy Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Baumann, Edward Norman Ralph Beeacham, Samuel Timothy, Jr. Beechtoldt, Cleaus Joseph Beekman, Gurden Walter Beegley, Jame, Joseph Belew, Raynend Folton Bell, Daniel Harnty Bennett, Lon Katthleen Benson, Mildred Bennett, Ioan Entablen Berner, Joan Thomas Berner, Joan Thomas Berner, Joan Holm Berry, Hugh Gordon Berryman, Richard Blanton, Jt. Bie, Rita Marie Billick, Eugene Wycoff, Jr. Birnbaum, Eugene Albert Bonnema, Jean Marie Bornnamn, Carl Louis Bornstein, Irwin Seymour Botts, Max Eugene Bramett, Low Halt, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brusk, Stanley Burk, Paul William, Jr. Burk	1.	Caultield, Donald John	l'a,	Mekander, Roy Marcolai
Barnett, Abby 103 Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Bechtoldt, Cletaus Joseph Beckman, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gorden Walter Beckman, Gorden Walter Beckman, Gorden Walter Begley, James Joseph Belew, Raynsond Fulton Bell, Daniel Harrity Bennett, Ioan Kattsleen Benson, Mildsted Bennett, Joan Kattsleen Berryman, Richard Blaxton, Jt. Berryman, Richard Blaxton, Jt. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Birnbaum, Allene Bodden, Robert Clark Bonnema, Jean Marte Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramlette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Jt. Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Boyons Blandena Broy, Beverly Hite Brawn, John Seveir Burak, Stanley	7/1	Lavallo, Frank Nicholas	D.C.	Linute He bert Daniel
Barnett, Abby 103 Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Bechtoldt, Cletaus Joseph Beckman, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gorden Walter Beckman, Gorden Walter Beckman, Gorden Walter Begley, James Joseph Belew, Raynsond Fulton Bell, Daniel Harrity Bennett, Ioan Kattsleen Benson, Mildsted Bennett, Joan Kattsleen Berryman, Richard Blaxton, Jt. Berryman, Richard Blaxton, Jt. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Birnbaum, Allene Bodden, Robert Clark Bonnema, Jean Marte Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramlette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Jt. Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Boyons Blandena Broy, Beverly Hite Brawn, John Seveir Burak, Stanley	T	Claphan, Charles William	DC.	Amram, Marsarea Berlah
Sarnett, Abby 100 Sarn, Solomon Efrem (With distinction) Sasham, Frances Alma Sauernschmidt, George William, Jr. Bauernschmidt, George William, Jr. Becacham, Samuel Timothy, Jr. Becacham, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gurden Walter Bellew, Raynamal Fulton Bernet, Ioan Satthleen Bennett, Ioan Satthleen Bennett, Ioan Satthleen Bennett, Ioan Satthleen Bennett, Ioan Satthleen Bernet, Ioan Satthleen Bahlee, Calma Sammel Curtiss, Jeanen Burk, Stalleen Ballee, Calma Satthleen Bahleen Balleen Satthleen Bahleen Bahleen Bandette, Googen Bernet, Ioan Satthleen Banet, Ioan Satthleen Bernet, Ioan Satthleen Banet, Ioan Satthleen Banet, Ioan	2-	Cheesman, George Lekoy		(With distinction)
Barnett, Abby 103 Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Bechtoldt, Cletaus Joseph Beckman, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gorden Walter Beckman, Gorden Walter Beckman, Gorden Walter Begley, James Joseph Belew, Raynsond Fulton Bell, Daniel Harrity Bennett, Ioan Kattsleen Benson, Mildsted Bennett, Joan Kattsleen Berryman, Richard Blaxton, Jt. Berryman, Richard Blaxton, Jt. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Birnbaum, Allene Bodden, Robert Clark Bonnema, Jean Marte Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramlette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Jt. Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Boyons Blandena Broy, Beverly Hite Brawn, John Seveir Burak, Stanley		Charles George	111.	Inderson, William Walter
Barnett, Abby 103 Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Bechtoldt, Cletaus Joseph Beckman, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gorden Walter Beckman, Gorden Walter Beckman, Gorden Walter Begley, James Joseph Belew, Raynsond Fulton Bell, Daniel Harrity Bennett, Ioan Kattsleen Benson, Mildsted Bennett, Joan Kattsleen Berryman, Richard Blaxton, Jt. Berryman, Richard Blaxton, Jt. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Birnbaum, Allene Bodden, Robert Clark Bonnema, Jean Marte Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramlette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Jt. Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Boyons Blandena Broy, Beverly Hite Brawn, John Seveir Burak, Stanley		Clark Donald Lewis	20 2.	Andrews, Adeline Lovell
Barnett, Abby 103 Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Bechtoldt, Cletaus Joseph Beckman, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gorden Walter Beckman, Gorden Walter Beckman, Gorden Walter Begley, James Joseph Belew, Raynsond Fulton Bell, Daniel Harrity Bennett, Ioan Kattsleen Benson, Mildsted Bennett, Joan Kattsleen Berryman, Richard Blaxton, Jt. Berryman, Richard Blaxton, Jt. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Birnbaum, Allene Bodden, Robert Clark Bonnema, Jean Marte Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramlette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Jt. Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Boyons Blandena Broy, Beverly Hite Brawn, John Seveir Burak, Stanley	9	Clark, Frances Elizabeth	DC	Attension, Roderick Day
Barnett, Abby 103 Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Bechtoldt, Cletaus Joseph Beckman, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gorden Walter Beckman, Gorden Walter Beckman, Gorden Walter Begley, James Joseph Belew, Raynsond Fulton Bell, Daniel Harrity Bennett, Ioan Kattsleen Benson, Mildsted Bennett, Joan Kattsleen Berryman, Richard Blaxton, Jt. Berryman, Richard Blaxton, Jt. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Birnbaum, Allene Bodden, Robert Clark Bonnema, Jean Marte Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramlette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Jt. Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Boyons Blandena Broy, Beverly Hite Brawn, John Seveir Burak, Stanley	1	Clarke, James Brent, Jr.		Rair William Benton
Barnett, Abby 103 Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Bechtoldt, Cletaus Joseph Beckman, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gorden Walter Beckman, Gorden Walter Beckman, Gorden Walter Begley, James Joseph Belew, Raynsond Fulton Bell, Daniel Harrity Bennett, Ioan Kattsleen Benson, Mildsted Bennett, Joan Kattsleen Berryman, Richard Blaxton, Jt. Berryman, Richard Blaxton, Jt. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Birnbaum, Allene Bodden, Robert Clark Bonnema, Jean Marte Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramlette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Jt. Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Boyons Blandena Broy, Beverly Hite Brawn, John Seveir Burak, Stanley	1	Cochran, Nancy Lou		Baker, Marion
Barnett, Abby 103 Barr, Solomon Efrem (With distinction) Basham, Frances Alma Bauernschmidt, George William, Jr. Bechtoldt, Cletaus Joseph Beckman, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gorden Walter Beckman, Gorden Walter Beckman, Gorden Walter Begley, James Joseph Belew, Raynsond Fulton Bell, Daniel Harrity Bennett, Ioan Kattsleen Benson, Mildsted Bennett, Joan Kattsleen Berryman, Richard Blaxton, Jt. Berryman, Richard Blaxton, Jt. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Billick, Eugene Wycoff, Jr. Birnbaum, Allene Bodden, Robert Clark Bonnema, Jean Marte Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramlette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Jt. Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Beverly Hite Brown, Doris Blandena Broy, Boyons Blandena Broy, Beverly Hite Brawn, John Seveir Burak, Stanley	î	Conswell, Raymond Louis		(With distinction)
Sarnett, Abby 100 Sarn, Solomon Efrem (With distinction) Sasham, Frances Alma Sauernschmidt, George William, Jr. Bauernschmidt, George William, Jr. Becacham, Samuel Timothy, Jr. Becacham, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gurden Walter Bellew, Raynamal Fulton Bernet, Ioan Satthleen Bennett, Ioan Satthleen Bennett, Ioan Satthleen Bennett, Ioan Satthleen Bennett, Ioan Satthleen Bernet, Ioan Satthleen Bahlee, Calma Sammel Curtiss, Jeanen Burk, Stalleen Ballee, Calma Satthleen Bahleen Balleen Satthleen Bahleen Bahleen Bandette, Googen Bernet, Ioan Satthleen Banet, Ioan Satthleen Bernet, Ioan Satthleen Banet, Ioan Satthleen Banet, Ioan		tonen, Marvin pernstein	S.C.	Ball, Marillyn Alice
Sarnett, Abby 100 Sarn, Solomon Efrem (With distinction) Sasham, Frances Alma Sauernschmidt, George William, Jr. Bauernschmidt, George William, Jr. Becacham, Samuel Timothy, Jr. Becacham, Samuel Timothy, Jr. Bechtoldt, Cletaus Joseph Beckman, Gurden Walter Bellew, Raynamal Fulton Bernet, Ioan Satthleen Bennett, Ioan Satthleen Bennett, Ioan Satthleen Bennett, Ioan Satthleen Bennett, Ioan Satthleen Bernet, Ioan Satthleen Bahlee, Calma Sammel Curtiss, Jeanen Burk, Stalleen Ballee, Calma Satthleen Bahleen Balleen Satthleen Bahleen Bahleen Bandette, Googen Bernet, Ioan Satthleen Banet, Ioan Satthleen Bernet, Ioan Satthleen Banet, Ioan Satthleen Banet, Ioan		Control Tames Calvin	DC.	Bangs, Virginia Lee
Bonden, Robert Clark Bonnema, Jean Marte Bornmann, Carl Louis Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramelette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burch, John Seveir Burch, John Seveir Burch, Tohomas Joseph Burch, Tohomas Joseph Va. Evans, Richard Timothy Burch, Thomas Joseph Va. Evans, Richard Timothy Fackler, Walter David With distinction) Farrell, Diane Carolyn Fallenc, Calvin Bononabe, Harold Dorman, Arthut Fla. Donohue, Harold Dorman, Arthut Fla. Dorman, Arthut Burch, Ellow William Duckworth, Alan Clark Dunlap, Ruth Elaine Dunlap, Ruth E	1	Cook, Frances Rowena	Tonn.	Barber, Max McCallie
Bonden, Robert Clark Bonnema, Jean Marte Bornmann, Carl Louis Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramelette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burch, John Seveir Burch, John Seveir Burch, Tohomas Joseph Burch, Tohomas Joseph Va. Evans, Richard Timothy Burch, Thomas Joseph Va. Evans, Richard Timothy Fackler, Walter David With distinction) Farrell, Diane Carolyn Fallenc, Calvin Bononabe, Harold Dorman, Arthut Fla. Donohue, Harold Dorman, Arthut Fla. Dorman, Arthut Burch, Ellow William Duckworth, Alan Clark Dunlap, Ruth Elaine Dunlap, Ruth E	1	Cooper, Paul Allen	1) (Sarnett, Abby Jos
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph	1	L'orxin, Alice Elizabeth	*/ 0.	(With distinction)
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph	1	Crawford, John Ringer	Va.	Rasham Frances Alma
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph	i	Cross Sames Joseph	MJ.	Bauernschmidt, George William, Jr.
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph		Lummings, Samuel	11.	
Bonden, Robert Clark Bonnema, Jean Marte Bornmann, Carl Louis Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramelette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burch, John Seveir Burch, John Seveir Burch, Tohomas Joseph Burch, Tohomas Joseph Va. Evans, Richard Timothy Burch, Thomas Joseph Va. Evans, Richard Timothy Fackler, Walter David With distinction) Farrell, Diane Carolyn Fallenc, Calvin Bononabe, Harold Dorman, Arthut Fla. Donohue, Harold Dorman, Arthut Fla. Dorman, Arthut Burch, Ellow William Duckworth, Alan Clark Dunlap, Ruth Elaine Dunlap, Ruth E		Curties Jeanne	1)(.	Beacham, Sumuel Timothy, Jr.
Bonden, Robert Clark Bonnema, Jean Marte Bornmann, Carl Louis Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramelette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burch, John Seveir Burch, John Seveir Burch, Tohomas Joseph Burch, Tohomas Joseph Va. Evans, Richard Timothy Burch, Thomas Joseph Va. Evans, Richard Timothy Fackler, Walter David With distinction) Farrell, Diane Carolyn Fallenc, Calvin Bononabe, Harold Dorman, Arthut Fla. Donohue, Harold Dorman, Arthut Fla. Dorman, Arthut Burch, Ellow William Duckworth, Alan Clark Dunlap, Ruth Elaine Dunlap, Ruth E		Dahlberg, Richard Ernest	111.	Bechtoldt, Cletus Joseph
Bonden, Robert Clark Bonnema, Jean Marte Bornmann, Carl Louis Bornstein, Irwin Seymour Botts, Max Eugene Brame, Oleta Bramelette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burch, John Seveir Burch, John Seveir Burch, Tohomas Joseph Burch, Tohomas Joseph Va. Evans, Richard Timothy Burch, Thomas Joseph Va. Evans, Richard Timothy Fackler, Walter David With distinction) Farrell, Diane Carolyn Fallenc, Calvin Bononabe, Harold Dorman, Arthut Fla. Donohue, Harold Dorman, Arthut Fla. Dorman, Arthut Burch, Ellow William Duckworth, Alan Clark Dunlap, Ruth Elaine Dunlap, Ruth E	1	Dane, Genevieve O'Leary	Pa	Beckman, Gordon Walter
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph	1	Daniel, Neil	DC	Belew Raymon Filton
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph	Í	Daube, Robert Walter	Va.	Bell Daniel Harrity
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph	1	Davis, Robert Walker	Pa	Bennett, Joan Kathleen
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph		Dean, Benjamin Franklin III	DC.	Benson, Mildred
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph	1	Decario, Eugene Decare Shirley Norms	1 2	Berner, John Thomas
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph	1	Delevaux. Marvae Helen	17.0	Bernot, Joseph John
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph		Demas, Eather Peter	I)C.	Berry, Hugh Gordon
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph	3	Dembrow, Leon William	Fla.	Berryman, Richard Diaxton, Jr.
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph	1	DePaoli, Dora Marie	DC.	Rildman Allena
Bornbaum, Ligene Albert Bonnema, Jean Marre Bornmann, Carl Louis Bornmann, Carl Louis Bornstein. Irwin Seymour Botts, Max Eugene Brame. Oleta Bramelette, Lee Clinton, Ir Bregman, Herbert Marvin Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Otto Henry Burak, Stanley Burak, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Burke, Thomas Joseph		Dierden-Crockett, Jeffery Rosher	111	Billick, Eugene Wycoff, Ir.
Bornstein, Irwin Seymour Brame, Oleta Brame, Oleta Bramelette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Eliott, Edwin Walter Brown, Doris Blandena Brown, Eliott, Edwin Walter Brown, Doris Blandena Brown, Eliott, Edwin Walter Embler, Ralph Edward Enzor, Thomas Henry, Jr. Erenthal, Joseph Fiskes, James Norman Evans, Otto Henry Burak, Stanles Burak, Stanles Burak, Stanles Burk, Paul William, Jr. Burke, Thomas Joseph Va. Evans, Richard Timothy Fackler, Walter David (With distinction) Farrell, Diane Carolyn Fallers, Cathering Motisson		Dobbis, Barbara		Birnbaum, Eugene Albert
Bornstein, Irwin Seymour Brame, Oleta Brame, Oleta Bramelette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Eliott, Edwin Walter Brown, Doris Blandena Brown, Eliott, Edwin Walter Brown, Doris Blandena Brown, Eliott, Edwin Walter Embler, Ralph Edward Enzor, Thomas Henry, Jr. Erenthal, Joseph Fiskes, James Norman Evans, Otto Henry Burak, Stanles Burak, Stanles Burak, Stanles Burk, Paul William, Jr. Burke, Thomas Joseph Va. Evans, Richard Timothy Fackler, Walter David (With distinction) Farrell, Diane Carolyn Fallers, Cathering Motisson		Donohue, Harold	Fla.	Bodden, Robert Clark
Bornstein, Irwin Seymour Brame, Oleta Brame, Oleta Bramelette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Eliott, Edwin Walter Brown, Doris Blandena Brown, Eliott, Edwin Walter Brown, Doris Blandena Brown, Eliott, Edwin Walter Embler, Ralph Edward Enzor, Thomas Henry, Jr. Erenthal, Joseph Fiskes, James Norman Evans, Otto Henry Burak, Stanles Burak, Stanles Burak, Stanles Burk, Paul William, Jr. Burke, Thomas Joseph Va. Evans, Richard Timothy Fackler, Walter David (With distinction) Farrell, Diane Carolyn Fallers, Cathering Motisson	1	Dredge Talbot William	DC.	Bonnema, Jean Marie
Bornstein, Irwin Seymour Brame, Oleta Brame, Oleta Bramelette, Lee Clinton, Jr Bregman, Herbert Marvin Brenneman, Melvin Luther Broussard, Rebecca Bennett Brown, Doris Blandena Brown, Doris Blandena Brown, Eliott, Edwin Walter Brown, Doris Blandena Brown, Eliott, Edwin Walter Brown, Doris Blandena Brown, Eliott, Edwin Walter Embler, Ralph Edward Enzor, Thomas Henry, Jr. Erenthal, Joseph Fiskes, James Norman Evans, Otto Henry Burak, Stanles Burak, Stanles Burak, Stanles Burk, Paul William, Jr. Burke, Thomas Joseph Va. Evans, Ioyce Louise Evans, Richard Timothy Fackler, Walter David (With distinction) Farrell, Diane Carolyn Eallera, Cathering Morrison	1	Duckworth Alan Clark	D.C.	Bornmann, Carl Louis
Brenneman, Melvin Luther Brodie, Loy Hall, Ji Brouissard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Bross, Otto Henry Bunch, John Seveir Bunch, John Seveir Burk, Paul William, Ir. Burke, Thomas Joseph Va. Embler, Ralph Edward C. Embler, Ralph Edward C. Enzor. Thomas Henry, Jr. Erenthal, Joseph Va. Essen, James Norman Evans, Ioyce Louise Evans, Richard Timothy Burk, Paul William, Ir. D. C. (With distinction) Farrell, Diane Carolyn Eagles, Catherine Moorston		Dunlan, Ruth Elaine	20 1.	Bornstein, Irwin Seymour
Brenneman, Melvin Luther Brodie, Loy Hall, Ji Brouissard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Bross, Otto Henry Bunch, John Seveir Bunch, John Seveir Burk, Paul William, Ir. Burke, Thomas Joseph Va. Embler, Ralph Edward C. Embler, Ralph Edward C. Enzor. Thomas Henry, Jr. Erenthal, Joseph Va. Essen, James Norman Evans, Ioyce Louise Evans, Richard Timothy Burk, Paul William, Ir. D. C. (With distinction) Farrell, Diane Carolyn Eagles, Catherine Moorston	1	Dunnington, Elgin Adams, Jr.	Ella.	Boome Oleta
Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Bross, Otto Henry Bunch, John Seveir Bunch, John Seveir Burk, Paul William, Ir, Burke, Thomas Joseph Toches Walter David (With distinction) Farrell, Diane Carolyn Burk, Paul William, Ir, Burke, Thomas Joseph Va. Farrell, Diane Carolyn		Dworshak, Calvin George		Bramlette Lee Clinton It
Brenneman, Melvin Luther Brodie, Loy Hall, Ji Broussard, Rebecca Bennett Brown, Doris Blandena Broy, Beverly Hite Bross, Otto Henry Bunch, John Seveir Bunch, John Seveir Burk, Paul William, Ir, Burke, Thomas Joseph Toches Walter David (With distinction) Farrell, Diane Carolyn Burk, Paul William, Ir, Burke, Thomas Joseph Va. Farrell, Diane Carolyn		Edwall, Warren Emerson	Calif.	Breeman, Herbert Marvin
Bunch, John Seveir Burak, Stanley Burak, Stanley Burak, Thomas Joseph Va. Evans. Richard Timothy Fackler, Walter David (With distinction) Va. Farell. Diane Carolyn Farelle, Thomas Joseph Va. Farelle, Carberine Morrison	1	Elliott, Edwin Walter	Md.	Brenneman, Melvin Luther
Bunch, John Seveir Burak, Stanley Burak, Stanley Burak, Thomas Joseph Va. Evans. Richard Timothy Fackler, Walter David (With distinction) Va. Farell. Diane Carolyn Farelle, Thomas Joseph Va. Farelle, Carberine Morrison		Embler, Ralph Edward	DC.	Brodie, Loy Hall, Jr
Bunch, John Seveir Burak, Stanley Burak, Stanley Burak, Thomas Joseph Va. Evans. Richard Timothy Fackler, Walter David (With distinction) Va. Farell. Diane Carolyn Farelle, Thomas Joseph Va. Farelle, Carberine Morrison	3	Enger, Inomas Renty, Jr.	DC.	Broussard, Rebecca Bennett
Bunch, John Seveir Burak, Stanley Burak, Stanley Burak, Thomas Joseph Va. Evans. Richard Timothy Fackler, Walter David (With distinction) Va. Farell. Diane Carolyn Farelle, Thomas Joseph Va. Farelle, Carberine Morrison		Eskee James Norman	., (.	Brown, Doris Blandena
Burk, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Farell, Diane Carolyn Fallers, Catherine Morrison		Evans lovce Louise	13.	Broy, Beverly Mite
Burk, Stanley Burk, Paul William, Jr. Burke, Thomas Joseph Va. Farell, Diane Carolyn Fallers, Catherine Morrison		Evans, Richard Timothy	1.3	Bunch John Sever
Burke, Thomas Joseph Va. Failers, Catherine Morrison		Fackler, Walter David	Pa.	Burak, Stanley
Burke, Thomas Joseph Va. Failers, Catherine Morrison		(With distinction)	DC.	Burk, Paul William, Ir.
Donne Edward Least Te DC Fellogs Catherine MORITION			1.1.	Burke, Thomas Joseph
Butler, Margaret Carroll DC Ferril, Dale Ray	(Fellers, Catherine Morrison	1)(Burns, Edward Joseph, Jr.
Dutter, Margaret Carroll		Ferril Dale Ray	111.	Burris, Robert Eugene
(With distinction)		(With distinction)	8. A	Callaban John Francis
Campbell James Joseph D.C. Feula, James Joseph		Feula, James Joseph	DC	Campbell, lames loseph
arabas Frank		Fighteen, Seymout Lacon	NY.	Carabas, Frank
Carof, Sybil Phyllis N.Y. Fisher, John Edward Carpino, Salvino Francia Mass. Fitch, Charles Thomas		Fisher, John Edward	NY.	Carol, Sybil Phyllis

		Junghlut, Helen Ödelta Kenason, Nathaniel Colver Kerr, Graham Stockley Kuzzdes, Acholphe Charles Kurstein, Sidney Leonard Klepak, Philip Harold	N J.
Fleisher, Eric Wilfrid	D.C.	Langelli, Helen Colver	Okia
Foreman, Joan Maxine Foreman, Mary Ann Fratkin, Rayleona	D.C.	Kerr Graham Starkley	DC. DC.
Foreman, Mary Ann	Va.	Kirzales, Adolphe Charles Kirstein, Sidney Leonard Klepak, Plain Harold	DC.
Fratkin, Rayleona	D.C.	Kirstein, Sidney Leonard	Va.
Fritz, Charles Walter	D.C.	Klenak, Philip Harold	7.0.
Fritz, Charles Walter Gainey, Burtus Allen Gallup, Meredith Hale Gamache, John Arthur	D.C.	(With datasetten) Lancaster, Robert E., Jr. Larrick, Benjamin Franklin Laustross, Marvin Laughlin, John G. Jr. Lear, Joyce Elizabeth Leavy, Horace James Loe, Murray Kent Leaser, Robert George	DC.
Gallup, Meredith Hale	Mich.	Lancaster, Robert F., Jr.	Va.
	***************************************	Larrick, Benjamin Franklin	NY.
(With distinction) Gemmell, Ronald Harvey	Calif.	Laughlin, John G. Jr.	Kans. D.C. N.Y.
Generally Richard Floury	D.C.	Laughlin, John G. Jr.	DC.
	Va.	Laughin, John G. J. Lear, Joyce Elizabeth Leavy, Horace James Lee, Murray Kent Leaver, Robert George	NY.
Gibbs, Verne Wesley	Calif. DC. DC. N.Y. DC. N.Y. DC. N.Y.	Leavy, Piorace James	\a.
Ginsberg, David Kellner	DC.	Lee, Murray Rein	Mass.
Gibbs, Verne Wealey Ginsberg, David Kellner Givot, Martin Lionel Glaser, Stanley Glazer, Harry Bernard Goldberg, Charles Herbert Goodman, Sanford Gerald Grady, Marcia Anne Graf, Alfred Geza Graves, John Rufus Graves, John Rufus Graves, Graves, Graves, John Rufus	D.C.	Lee, Murray Kent Lesser, Robert George LesStrang, Jacques Earle Levin, Irving Lewis, Edward, Jr Lief, Donald Wolfe Lindsey, Rosamond O'Neil	DC. NJ. DC. DC.
Glaser, Stanley	T) C	Levin, Irving	100
Glazer, Harry Bernard	DC.	Lewis, Edward, Jr	DC
Goodman Sanford Good	N.Y.	Lief, Donald Wolfe	Na.
Grady Marcia Anne	DC.	Lief. Donald Wolfe Lindsey, Rosamond O'Neil Lipkey, James Ray Lippitt, Thomas Perry Lishchiner, Manon Ehrenkrantz Lloyd, Albert Lawrence, Jr. (With distinction)	Fla
Graf Alfred Geza	NY.	Lipkey, James Kay	DC.
Graves John Rufus	Mo.	Lippitt, I homas Periy	NY. Va.
Graves, John Rufus Gray, Frederick Charles, Jr. Greaber, Vernon Elmer Green, Enid Caldwell Green, Robert Henry		Lishchiner, Williams Lawrence, It.	Va.
Greaber, Vernon Elmer	D.C. S.C. Md.	(With distinction) Lombardi, Reilly Robert Lowenthal, Herman Lum, David Walker	
Green, Enid Caldwell	S.C.	Lembardi Reilly Robert	Ohio
Green, Robert Henry	DC.	Lowenthal, Herman	DC. DC.
Green, Robert Herrich Greenstein, Paul Samuel Grinnell, John Robert Gritz, Alexander	Mass.	Lum David Walker	DC.
Grinnell, John Robert	136	Lush, Roberta Cregier	lenn.
Gritz, Alexander Gulick, Richard Green Gump, Lyndon Jay Gunner, Charles Anthony Guthrie, William Joseph, Jr. Haddad, Adèle Sylvia Hager, Eileen Mae	Va.	Lynch, John William	Md.
Guma Lundon Inv	Md.	MacCormick, Wilfred Raymond	D.C.
Gunner Charles Anthony	N.J.	MacDougall, Dougall	N. Y.
Guthrie, William Joseph, Jr.	Mass.	Maggio, Paul Angelo	D.C.
Haddad, Adèle Sylvia	Pa.	Main, William Einer	Ga.
Hager, Eileen Mac	D.C.	Malaier, Eibert Hooding	Pa.
Haight, Donald James	Va. Va.	Manning Louis Menerhini	Colo.
Harlan, John Cooper	Md.	Maravalli, Eugenia Rose	Pa.
Haight, Donald James Harlan, John Cooper Harloff, William Carroll Harrison, Robert Scott Hart, Harold Mathewa, Jr. (With distinction)	DC.	Low. David Walter Lush, Roberta Cregier Lynch, John William MacCormick, Wilfred Raymond MacDougall, Dougall Magsio, Paul Angelo Main, William Elmer Malaier, Elbert Hubbard Mallgrave, William John Manning, Louis Meneghini Maravalli, Eugenia Rose March, Christian Laurin, Jr. Marclay, Elliott William Marka, Leta Sue Martin, Daniel Walter (With distinction) Martin, Peter John Martin, Frank Mathissen, Walter Whitman, Jr.	N.Y.
Harrison, Robert Scott	III.	Marclay, Elliott William	D.C.
(With distinction)		Marks, Leta Sue	D.C.
Hausman, Helen Mandelowitz Hayes, Edward Matthew, Jr.	D.C.	Martin, Daniel Walter	13.
Hayes, Edward Matthew, Jr.	Maine	(With distinction)	N.Y. N.J. D.C.
(AA IEU GISCINICEIOU)	200	Martin, Peter John	1, 1
Heinzel, Joseph Russell	D.C. D.C. D.C. N.Y.	Martins, Frank Mathieson, Walter Whitman, Jr. Mattingly, Anne Mathilde Mattson, Arthur Richard, Jr. Maxwell, Frederick Brooks, Jr. Mazero, John Robert McCord, Franklin Otto McDowell, Janet Beverly McKeever, Kenneth Francis McLees, John Skelton	DC
Herman, Cecile Hodge, William Rust	D.C.	Mattingly Anne Mathilde	Md.
Hodge, William Rust	NY.	Matteon, Arthur Richard, Ir.	DC.
Hoffmann, Joan	Ala.	Maxwell, Frederick Brooks, Jr.	Md Pa
Holdsambeck, Sam Hollingsworth, Russell Kuhner, Jr.	Va.	Mazero, John Robert	Pa
	Pa.	McCord, Franklin Otto	Iowa D.C N I. Ark. D.C. Va. D.C. N D
Hollis, Elda Lorraine Hopkins, Stephen Cornwell, Jr. Hopper, Thomas Bradford, Jr. Houk, Jo Anne Howell, David Mitchell Howert, Jav Miller	D.C.	McDowell, Janet Beverly	DC
Hopper Thomas Bradford, Ir.	D.C.	McKeever, Kenneth Francis	
Houk To Anne	C.1.5	McLees, John Skelton Merrill, Nancy Elizabeth	Ark.
Howell, David Mitchell	DC.	Merrill, Nancy Elizabeth	D.C.
Howett, Jay Miller	N. J.	Merritt, Hobart Witten	D.C.
Howell, David Mitchell Howett, Jay Miller Hoyt, William George	D.C. N. J. N. Y. N. Y. D.C. Md	Mever, Hanny	17.6.
Immen, Norbert George Innes, Yvonne Keeble Jackson, Marjorie Ann	7 1	Meyers, Beverly Anne	
Innes, Yvonne Keeble	D.C	Michels, Ruth Maree	DC DC.
Jackson, Marjorie Ann	Md	Miles, Chester Ellsworth	nc
Jackson, Marjorie Ann Jackson, Robert McClelland Jacobs, Sidney Powell, Jr. Jarema, Frank Gerald			DC
Jacobs, Sidney Powell, Jr.	Die	Moore, Alvin	
	D C Ohio Ohio	Moore, Lusadel	DC.
Johnnes, Peretz William	DC	Moverman, Ruth Jean	1.1.
Johnson, Daniel Lynn Johnson, Flice Hill	V's	Muchinause, William	DC.
Johnson Frank Teacy	Mid	Murphey, Elton Ira, Jr.	Tenn.
Johnstone, Janice Bronson	Cali	Nahme, Leonard Lee	D C.
Jones, Ailsa Grierson	1.	Nargizian, Edward Arsen	Z. A.
Jones, Doris Jeanne	D.C	Naylor, Guy Rodgers, Jr. J. Neenan, Elmer Bruner	Md
Johnson, Daniel Lynn Johnson, Elise Hill Johnson, Frank Tracy Johnstone, Janice Bronson Jones, Ailsa Grierson Jones, Doris Jeanne Jones, Robert Franks	D.C N	J. Neenan, Elmer Bruner	Minn
Jones, Robert Franks Julin, Joseph Richard Jungblut, Edward Wilmont	11	I. Nemeth, Joe J. (With distinction)	Mo
Jungblut, Edward Wilmont	N.	J. (With distinction)	

Niefeld, Herbert	D.C.	Somers, Nelson Roy	N.Y.
Nonamaker, Charles Henry	Pa.	Sorenson, Barbara Jeanne	N.Y. N.Y. N.Y.
Offutt, Eleanor Rebekah	D.C.	Spatz, Murray	N.Y.
Olmstead, Normand Henry	N.Y.	Spraker, Glenna Mary	Iowa
Pacl, Thomas Rudolph, Jr.	Va.	Stark, Lois Iva	Va
Parker, Richard Dale	Md.	Steele, Cynthea	Va. DC.
Parkinson, Kenneth Wells	Md.	Stephenson, Stephen Hall	Va.
Parsell, David Elwood	Md.		Mass.
Patterson, William Amos	D.C.	Stevens, John Cameron	12.
Paul Mamand Carbana	D.C.,	Stieg, Clare Ann	
Paul, Howard Cochran	Pa.	Stockstill, Louis R.	Okla.
Paul, LeRoy Spencer	D.C. D.C.	Stout, Carol Margaret (With distinction)	DC.
Pearlman, Belle	D.C.	(With distinction)	m (3
Peter, Thomas Armistead II	Ohio	Strawbridge, Phyllis Jeane	D.C.
Peterson, Harvey Wayne	D.C.	Sullivan, William Franklin	Md
Pickett, Jack Milton	Va.	Suppes, Joan Louise	Md.
Pietras, Chester Joseph	Mass.	Sweebe, Edward Chiles	111
Pickett, Jack Milton Pietras, Chester Joseph Pimentel, Rafael Lebron	D.C. D.C.	Sweedler, Barbara Ruth	N. Y.
Plugge, Kathryn	D.C.	Szoka, Charles Eugene Tatarsky, Walter	Pa.
Plyer, Betty Lou Robinson	Md.	Tataraky, Walter	Pa.
Pollard, William Otis	Va.	Taylor, David Franklin	Idaho
Pollock, Robert Emmett	Va.	Taylor Robert John	14.
Porter, Bennet Allen, Jr.	Md.	Teagle, Ernest Howard	D.C.
Porter, Neil Alfred	Mo.	Taylor, David Franklin Taylor, Robert John Teagle, Ernest Howard Teeter, Virginia Joyce	D.C. D.C.
Porter, Ross George	Utah	Thompson Arthur Brown Ir	Par
Powdermaker, Paula Claire	N. I	Thompson, Arthur Brown, Jr. Thompson, Mary Lou Thompson, Russell Claude, Jr. Tichenor, Marjorie Ann Tighe, John Francis Tomberg, Sybil Blanche Tor, Mildred Helen	Va.
Purvis, Curtis Carlisle	N.J. Va.	Thompson, Pussell Claude Is	Va.
Quenstedt, Warren Daley	D.C.	Tichana Mariasia Ann	N.I.
Panda Mary Audam	D.C. D.C.	Tichenor, Marjorie Ann	NY.
Rands, Mary Audrey	D.C.	ligne, John Francis	NV
Raymond, Barbara June	Mass.	I omberg, Sybil Blanche	D.C.
Reid, Alexander Blann	D.C.	Tor, Mildred Helen	D.C.
Reque, Robert Russell	D.C.	Torchin, Norman Gilbert	D.C.
Rivera, Andrés	Puerto Rico	Tor, Mildred Helen Torchin, Norman Gilbert Tron, Robert Augustus, Jr. Tsuda, Carol Setsuko Twery, Betty Jean Valenzi, Joseph Thomas Van Riswick, Guy Everett Van Staden, George Arthur Venezky, Edith Rita	N.J. N.Y. N.Y. D.C. D.C. D.C. D.C. Va.
Roberson, James Richardson Roberson, William Donald Roberts, Ben Lomond	Va.	Tsuda, Carol Setsuko	D.C.
Roberson, William Donald	D.C.	Twery, Betty Jean	D.C.
Roberts, Ben Lomond	Md.	Valenzi, Joseph Thomas	N.I.
Roberts, Russell Meade	D.C. D.C.	Van Riswick, Guy Everett	V 31.
Robin, Bennett Allen	D.C.	Van Staden, George Arthur	N.Y. D.C.
Rogers, Charlotte David Rooss, Robert Vincent Rose, William George, Jr.	Ky. N.Y. Md.	Venezky, Edith Rita (With distinction)	D.C.
Rooss, Robert Vincent	N.Y.	(With distinction)	
Rose, William George, Jr.	Md.	Villella, Gerald Anthony Virts, Earl Edward, Jr.	Md.
Rosendori Retty Rose	D.C.	Virta, Earl Edward, Ir.	Va.
Rowan, John Carey Rubin, Arald Docald	Pa. W.Va.	Walker Michael Jerald	N.J.
Ruben, Max Samuel	W.Va.	Walker, Michael Jerald Walker, Thomas Jefferson	Miss.
Rubin, Arnold Donald	N.I	Watkins, Jeanene	L'tah
Rubin, Sally Maxine	N.J. N.J.	Wasses Charles Beant	DC. Fla. DC. DC. NY.
Pumper Mary Martha	Ga.	Weasmer, Charles Brent Webber, Ruth Rebecca	Fla.
Rupert, Mary Martha	NI I	Medder, Wath Mederca	DC.
Savage, Walter Benedict	N.J. Va.	Weiss, Peter Joseph	DC
Schmoyer, Mary Elizabeth	VII.	Weissinger, Phyllis Bate	NY.
Schocket, Charles Lewis Scholz, Walter Ernst	N.J.	Wellington, Benjamin	111.
Scholz, Walter Ernst	<u>I</u> II.	Wessel, Robert Glenn	Pa.
Schultz, William Harrison Scruggs, William Joseph	Pa.	Westbrook, William Hughes	
Scruggs, William Joseph	D.C	(With distinction)	Va.
Sears, Earle Vincent	D.C.	White, Carol Humes	Md
Seybert, Harry David	D.C.	Whitener, Thomas Grady Whitner, Jacqueline Winwood Wiggins, Patricia Ann	Va.
Shalowitz, Ernest Maurice	D.C.	Whitner, Jacqueline Winwood	47.0
Shapiro, Laura Leib	D.C. N.Y.	Wirgins Patricia Ann	DC.
Shapiro, Laura Leib Shearer, Nancy Lee	Md.	Wildman, Janet	Dr.
Shelhorse George Waller III		(With distinction)	
Shelhorse, George Waller III Sheppard, Elizabeth Anne	Pa. D C.	Willey, Douglas Jerome	Md.
(With distinction)	D C.	Williams Massia Edward	Tenn
Sherwin William Winson	Va.	Williams, Marvin Edward Williams, Thomas Richardson	Md
Sherwin, William Winsor Shine, Warren Steven		Williams, I nomas Richardson	1'4.
Shineson Wassen Andrew	Mass.	Winebern, John Walter Witham, Robert Carey	Md.
Shipman, Harvey Andrew	Mass.	Witham, Robert Carey	DC NY.
Shipp, Charles Kenneth	, \ a.	Wold, Henry Edward	NY.
Silva, Harold	Tenn.	Worden, Dwight Geer	Ark N I D C. D C N Y.
Silverman, David	DC	Wraw James Laban	31
Simmons, Delford Edgar	116.	Yocum, Gloria Arden Yost, William Adams Zanner, Albert William, Jr. Zeidner, Philip Max	D.C.
Singer, Thomas Eric	Mars	Yost, William Adams	1) (
Skinner, Paul Artemus	31	Zanner, Albert William, Jr.	V. J.
Smith, Jennings Talbot Smith, Warren Webster	1)(Zeidner, Philip Max	No
Smith, Warren Webster	D('	Zelkovitz, Sam	Md
Smookler, Morton Bernard	DC	Zelkovitz, Sam Zimmer, David Joseph	NY.
Sodd, Mary Ann	DC DC DC.	Zorn, Otto Godfrey	34 1 .

COLUMBIAN COLLEGE

BACHELOR OF ARTS

Adman, Robert Melvin Alman, Santer Melvin Alman, James William Bairen, James James William Alman, James William Alman, James William Bairen, James James William Alman, James Wil			Johnson, John Henry	D.C.
Adam, Robert Melvina Advord, Mariam William Bachman, Helen Baiman, Helen Baiman, Jerome Baldridge, Marion Commins Baldridg	Adams Edish Meriwether		Johnson, John Lugene	
Alvord, Marian Anderton, James William Bachman, Helen Baman, Ierome Baker, Gloris Jeanette Baker, Gloris Jeanette Baker, Gloris Jeanette Baker, Gloris Jeanette Bartet, Margaret Judish D.C. Barrett, Margaret Judish D.C. Barrett, Margaret Judish D.C. Bank, James William Batiley, Beverly Anne Batiley, Beverly Anne Batiley, Beverly Anne Batiley, Beverly Anne Bornet, Jane Pierce Borror, Barbara Les Lewis, John Warrer Lewis, Grace Flaz Lewis, John Warrer Lewis, John Warrer Lewis, John Warrer, Barbar Lewis, John Warrer Lewis, John Warrer Lewis, John Warrer, Barbar Lewis, John Warrer, Barbar Lewis, John Warrer, Wallan, Lewis, N.Y. McClinton, Price Flaz Lewis, John Warrer, Barbar Lewis, John Warrer, Wallan, Lewis, N.Y. McClinton, Price Flaz Lewis, John Warrer, Barba	Adams Robert Melvin		Johnston Milton Kessler	D.C.
Anderton, James Williams Bachman, Jerome D.C. Bairdidge, Marion Cummins Baber, Gloria Jeannette Baldridge, Marion Cummins Basher, Horn Barton, Jr. Barber, Alvin Barton, Jr. Barber, Alvin Barton, Jr. Barber, Hivin Barton, Jr. Barber, Hivin Barton, Jr. Barber, Mary William Bass, Marvin William Bass, Marvin William Benjamin, Berthe Benjamin, Berthe Benjamin, Berthe Benjamin, Berthe Boorer, Jane Pierce Bowen, David Boner, Jane Pierce Bowen, David Bowes, William Thomas Boyle, Anthony Francis Bradford, Gordon (Special honors in Economics) Bradford, Gordon (Special honors in Economics) Bradford, Gordon General State Berthe Marion Buckley, Margaret Ellen D.C. Brentlinger, John Weeks Bristow, Joseph Quayle Bristow, Joseph Quayle Brown, Marde Dimplon Buckley, Margaret Ellen D.C. Buser, Elizabath Anne Calkins, Constantia Herbert Hommann Campbell, Doris Lorraines Campo, Victor Charles Canpo, Victor Charles Campo, Victor Charles Canpo, Victor Charles Cantor, John Richard Colles, Ariband Md. Kriazis, Caris William Md. Chilatin, Grown Md. Kryiazis, Caris William Md. Charles, Canpo, Warren Levin, Joach Md. Kryiazis, Caris William Md. Charles, Canpo, Warren Levin, Joach Marin Collin, Joach Marin Collin, Joach Marin Collin, Milliam Timothy Victor Charles Cantor Marin Collin, Milliam Timothy Via	Alvord Marian		Value Fritz Reiner	
Barber, Alvin Barton, Jr. Barber, Alvin Barton, Jr. Barber, Hvin Barton, Jr. Barber, Beverly Anae Barber, Beverly Anae Barber, Hvin William Barber, Hvin William Barber, Barbara Lee Burngarten, Frenc Va. Barmin, Betry Ruth Barber, Barbara Lee Bowen, David Bowes, William Thomas Boyle, Anthony Francis Bristow, Joseph Charbers Bristow, Joseph Charb	Anderton James William		Walsin Paul Craig	
Barber, Alvin Barton, Jr. Barber, Alvin Barton, Jr. Barber, Hvin Barton, Jr. Barber, Beverly Anae Barber, Beverly Anae Barber, Hvin William Barber, Hvin William Barber, Barbara Lee Burngarten, Frenc Va. Barmin, Betry Ruth Barber, Barbara Lee Bowen, David Bowes, William Thomas Boyle, Anthony Francis Bristow, Joseph Charbers Bristow, Joseph Charb	Bachman, Helen		Kan Edwin lacques	
Barber, Alvin Barton, Jr. Barber, Alvin Barton, Jr. Barber, Hvin Barton, Jr. Barber, Beverly Anae Barber, Beverly Anae Barber, Hvin William Barber, Hvin William Barber, Barbara Lee Burngarten, Frenc Va. Barmin, Betry Ruth Barber, Barbara Lee Bowen, David Bowes, William Thomas Boyle, Anthony Francis Bristow, Joseph Charbers Bristow, Joseph Charb	Baiman, Jerome	N.I.	Kasa Ruth Gray	
Barber, Alvin Barton, Jr. Barber, Alvin Barton, Jr. Barber, Hvin Barton, Jr. Barber, Beverly Anae Barber, Beverly Anae Barber, Hvin William Barber, Hvin William Barber, Barbara Lee Burngarten, Frenc Va. Barmin, Betry Ruth Barber, Barbara Lee Bowen, David Bowes, William Thomas Boyle, Anthony Francis Bristow, Joseph Charbers Bristow, Joseph Charb	Baker, Gloria Jeannette	D.C.	Kliamer Walter Aaron	
Barrett, Margarete Judith Base, Marvin William Baltey, Bewerly Anne Baltey, Bewerly Anne Bulley, Bewerly Anne Bower, Blanca Baltey, Bewerly Anne Bower, Janes Albaugh Bower, William Thomas Brower, Janes Albaugh Bower, William Thomas Bradford, Gerdom (Special honors in Economics) Brentlinger, John Weeks Bristow, Joseph Quayls Brown, Maude Dimple	Baldridge, Marion Cummins	D.C.	Krueger John Richard	Nebr.
Basis, Marvin William Basis Marvin William Basis, Marvin William Barvin Wash Letonard William Barvin Wash Letonard William Barvin Wash Letonard William Barkin Wash Letonard William Barvin Wash Letonard William Barvin Was	Barber, Alvin Barton, Jr.	D.C.		
Baumgarten, Irene Boumgarten, Irene Borror, Barbara Lee Bowen, David Bowen, David Bowes, William Thomas Bowes, William Thomas Breditord, Gordon Breditord, G	Barrett, Margaret Judith	D.C.	Kwriazia, Chris William	
Baumgarten, Irene Boumgarten, Irene Borror, Barbara Lee Bowen, David Bowen, David Bowes, William Thomas Bowes, William Thomas Breditord, Gordon Breditord, G	Bass, Marvin William	Va.	Larkin, Thomas Dillard	Md.
Benner, Jane Fierce Borror, Barbara Lee Borror, Barbara Lebara Borror, Britan Allee Borror, Barbara Lee Borror, Barbara Lebara Borror, Britan Borror, B	Batley, Beverly Anne	N1 W	Lenfestey, James Albaugh	Fla.
Benner, Jane Fierce Borror, Barbara Lee Borror, Barbara Lebara Borror, Britan Allee Borror, Barbara Lee Borror, Barbara Lebara Borror, Britan Borror, B	Baumgarten, Irene	D.C.	Leonard, Elfriede Justine	D.C.
Borror, Barbara Lee Bowen, David Bowes, William Thomas Boyle, Anthony Francis Bradford, Gordon (Special honors in Economics) Brentlinger, John Weeks Bristow, Joseph Guayls Brown, Maude Dimple Brudo, Charles Salomon Buckley, Margaret Ellen Burstein, Rena Benson Burstein, Rena Benson Burstein, Rena Benson Calkins, Constantis Herbert Hommana Campbell, Doris Lorraine Campo, Victor Charles Cantwell, William James Calark, Clara Belle Cohen, Howard Martin Collins, Kylliam Timothy (With distinction) Confery, Magdalene Santell Collins, William Timothy (With distinction) Confery, Magdalene Santell Dr. Cope, Nancy FitzGerald Corliss, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dashien, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Dessy, John Paul Derus, Margaret Van Nostrand Derrick, Duane Greenwood Dervan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Core, Samuel Harman, Hugh Huebner Haston, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Leslie D.C. With distinction Units Lubin, Joseph Muy Maclibaner, Michard Ny. MacElhaney, Richard With distinction) MacLibaney, Richard Machita, John Marchita, John Marchita	Benjamin, Betty Ruth	Va.	Levine, Grace Plax	3.8.
Bowen, David Bowen, Carlon or Sepecial honors in Economics) Bradford, Gordon (Special honors in Economics) Brentlinger, John Weeks Bristow, Joseph Quayls Brown, Maude Dimple Brudo, Charles Salomon Buckley, Margaret Ellen Burstein, Rena Benson Buser, Elizabeth Anne Calkins, Constantia Herbert Hommana Campbell, Doris Lorraine Campo, Victor Charles Canne, Witton Charles Canne, Wittor Charles Canne, Witton Charles Canne, Witton Charles Canne, Witton Charles Chalfin, Seymour Chambera, Jay Lee Chark, Glas Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdaine Santell Coolins, William Timothy (With distinction) Confrey, Magdaine Santell Coolins, William Timothy (With distinction) Darmohray: Edward Joseph Dalshein, Henry Monroe Darmohray: Edward Joseph Dalshein, Henry Monroe Darmohray: Edward Joseph Dalshein, Henry Monroe Darmohray: Edward Joseph Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Encheber, Albert Paut, James Emory (With distinction) Encheber, Albert Faut, James Emory (With distinction) Encheber, Albert Paut, James Emory Fergusuon, Mary Virginia Robins Fisber, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haaton, Richard Irving Herbert, Edward Leslie D.C. Ticles, Pales D.C. Ticles, Pales Constantia Endew Wash. MacElhanex, Richard (Special bonoors in English) McCain, Thurlow Doane McCa	Bonner, Jane Pierce		Lewis, John Warren	D.C.
Bowes, William Thomas Boyle, Anthony Francis Bradford, Gordon (Special honors in Economics) Brentlinger, John Weeks Bristow, Joseph Quayle Brudo, Charles Salomon Buckley, Margaret Ellen Burstein, Rena Benson Buser, Elizabeth Anne Calkins, Constantia Herbert Hommann Campbell, Doris Lorraine Cantwell, William James Chalfin, Seymour Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy Colli	Borror, Barbara Les	Va	Lubin, Joseph Meyers	
Bradford, Gordon (Special honors in Economics) Brentlinger, John Weeks Bristow, Joseph Quayls Brown, Maude Dimple Brudo, Charles Salomon Buckley, Margaret Ellen Buser, Elizabeth Anne Calkins, Constantia Herbert Hommann Campbell, Doris Lorraine Campo, Victor Charles Cantwell, William James Chalfin, Seymour Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Colins, William Timosthy (With distinction) Conferey, Magadene Santell Cope, Nancy FitzGerald Corliss, Earl, Jr. Crewe, Frederick Donovan Curry, Stowers Leigh Daishein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Derrick, Duane Greenwood Dervan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Geren, Samuel Hartman, Hugh Huebner Haaton, Richard Irving Herbert, Edward Leslie Herbrun, Nancy Va. Machita, John Arkita, John Machita, John Machita, John Machita, John Machita, John Machita, John Machita, John Magann, Patricia Eamée D.C. Margolius, Jerome Francis D.C. Margolius, Jerome Francis Martins, Jerome Francis D.C. Margolius, Jerome Francis D.C. Margolius, Jerome Francis Milare, Elliott Murphy, Joeeph Alexander, Jr. N.Y. Murphy,	Bowen, David	V.	I and marge Process	N.J.
Bradford, Gordon (Special honors in Economics) Brentlinger, John Weeks Bristow, Joseph Quayls Brown, Maude Dimple Brudo, Charles Salomon Buckley, Margaret Ellen Buser, Elizabeth Anne Calkins, Constantia Herbert Hommann Campbell, Doris Lorraine Campo, Victor Charles Cantwell, William James Chalfin, Seymour Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Colins, William Timosthy (With distinction) Conferey, Magadene Santell Cope, Nancy FitzGerald Corliss, Earl, Jr. Crewe, Frederick Donovan Curry, Stowers Leigh Daishein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Derrick, Duane Greenwood Dervan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Geren, Samuel Hartman, Hugh Huebner Haaton, Richard Irving Herbert, Edward Leslie Herbrun, Nancy Va. Machita, John Arkita, John Machita, John Machita, John Machita, John Machita, John Machita, John Machita, John Magann, Patricia Eamée D.C. Margolius, Jerome Francis D.C. Margolius, Jerome Francis Martins, Jerome Francis D.C. Margolius, Jerome Francis D.C. Margolius, Jerome Francis Milare, Elliott Murphy, Joeeph Alexander, Jr. N.Y. Murphy,	Bowes, William Thomas	NV.	(With distinction)	21 37
(Special honors in Economics) Brentlinger, John Weeks Bristow, Joseph Quayle Brown, Maude Dimple Buckley, Margaret Ellen Burstein, Rena Benson Buckley, Margaret Ellen Burstein, Rena Benson Buser, Elizabeth Anne Calkins, Constantia Herbert Hommann Campbell, Doris Lorraine Campo, Victor Charles Cantwell, William James Chalfin, Seymour Chaffin, Ferderick Offin, Hyman Collins, William Timothy (With distinction) Confrey, Magdalene Santell Cope, Nancy FitzGerald Corfies, Earl, Jr. Crewe, Frederick Donovan Curry, Stowers Leigh Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Paust, James Emory (With distinction) Einheber, Albert Paust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Goreen, Samuel Hartman, Hugh Huebner Haaton, Richard Irving Herbert, Edward Leslie D.C. Voerge, Helen Lily Machita, John Magchita, John Magcolius, Jerome Francis Magalen, Patricis Esmée D.C. Mezella, Ella Julianna D.C. Mezella, Ella Julianna D.C. Milner, Elliott D.C. Minton, George Ny Moder, Irvins Winton, George Ny Morgenstein, Sam A. Ny	Boyle, Anthony Francis	NY	Markibaney Michild	N.Y.
Brentlinger, John Weeks Bristow, Joseph Quayls Brown, Maude Dimple Brudo, Charles Salomon Buckley, Margaret Ellen Burstein, Rena Benson Buser, Elizabeth Anne Calkina, Constantia Herbert Hommann Calkina, Constantia Herbert Hommann Campbell, Deris Lorraine Campo, Victor Charles Cantwell, William James Chalin, Seymour Chalin, Seymour Chambers, Jay Lee Clark, Clara Belle Colen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Corliss, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Davis, Dale Miller Davis, Dale Miller Davis, Dale Miller Dessy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Drews, Norma Jean Drews, Morma Jean Drews, Morma Jean Drews, Morma Jean Drews, Norma Jean Drews, Morma Jean Dre	Bradlord, Gordon	24.01	(Smerial honors in Edition)	27.7
Brown, Maude Dimple Brudo, Charles Salomon Buckley, Margaret Ellen Burstein, Rena Benson Buser, Elizabeth Anne Calkina, Constantia Herbert Hommana Campbell, Doris Lorraine Campo, Victor Charles Cantwell, Wiltiam James Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Cope, Nancy FitzGerald Coflins, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Fauut, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samual Harman, Hugh Huebner Haston, Richard Irving Herbert, Edward Lesie D.C. Wash McCain, Thurlow Doane MacRatire, Ferne Meaetla, Ella Julianna D.C. Millner, Elliout Mocenstein, Sam A. McCain, Thurlow Doane McEntire, Ferne Meaetla, Ella Julianna Pra. McCain, Thurlow Meaetla, Meedella, Ella Julianna Pra. McCaire, Ferne Meedia, Ella Julianna Pra. McCaire, Ferne Meedia, Ella Julianna Pra. Moder, Irving Moder, Irving Ny. Nelson, Marcander, Jr. Ny. Nelson, Marcander, Jr. Ny. Nelson, Marcander, Jr. Ny. Ny. Ny. Moder, Irving Ny. Ny. Moder, Irving Noder, Irving Ny. Ny. Nelson, Marcander, Jr. Nelson, Marcander, Jr. Nelson, Marcander, Jr. Ny. Ny. Ny. Ny. Ny. Ny. Ny. Ny. Ny. Ny	Special honors in Economics)	Va.	Machita, John	W.J.
Brown, Maude Dimple Brudo, Charles Salomon Buckley, Margaret Ellen Burstein, Rena Benson Buser, Elizabeth Anne Calkina, Constantia Herbert Hommana Campbell, Doris Lorraine Campo, Victor Charles Cantwell, Wiltiam James Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Cope, Nancy FitzGerald Coflins, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Fauut, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samual Harman, Hugh Huebner Haston, Richard Irving Herbert, Edward Lesie D.C. Wash McCain, Thurlow Doane MacRatire, Ferne Meaetla, Ella Julianna D.C. Millner, Elliout Mocenstein, Sam A. McCain, Thurlow Doane McEntire, Ferne Meaetla, Ella Julianna Pra. McCain, Thurlow Meaetla, Meedella, Ella Julianna Pra. McCaire, Ferne Meedia, Ella Julianna Pra. McCaire, Ferne Meedia, Ella Julianna Pra. Moder, Irving Moder, Irving Ny. Nelson, Marcander, Jr. Ny. Nelson, Marcander, Jr. Ny. Nelson, Marcander, Jr. Ny. Ny. Ny. Moder, Irving Ny. Ny. Moder, Irving Noder, Irving Ny. Ny. Nelson, Marcander, Jr. Nelson, Marcander, Jr. Nelson, Marcander, Jr. Ny. Ny. Ny. Ny. Ny. Ny. Ny. Ny. Ny. Ny	Drentlinger, John Weeks	Va.	Magann, Patricia Esmee	D.C.
Brudo, Charles Salomon Buckley, Margaret Ellen Burstein, Rena Benson Buser, Elizabeth Anne Calkina, Constantia Herbert Hommann Campbell, Doris Lorraine Campo, Victor Charles Cantwell, William Jamea Chaifin, Seymour Chaifin, Seymour Charles, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Cope, Nancy FizeGerald Corliss, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Davis, Dale Miller Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faut, James Emory Ferguson, Mary Virginia Robins Fisher. Ann Katherinae Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samual Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Leslie D.C. McEntire, Ferne Megella, Ella Julianna D.C. Millner, Elliott Milloer,	Brown Mauda Dimple		Margolius, Jerome Francis	11.0.
Buckley, Margaret Ellen Burstein, Rena Benson Buser, Elizabeth Anne Calkins, Constantia Herbert Hommann Campbell, Doris Lorraine Canpo, Victor Charles Cantwell, William Jamea Chalfin, Seymour Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Coope, Nancy FitzGerald Corliss, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Daishein, Henry Monroe Damohray, Edward Joseph Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Dervick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Goldstein, Morton Green, Sam A. Milner, Elliout Miller, Elliout Moder, Irving Pa. Morgenstein, Sam A. N.Y. Moder, Irving Pa. Morgenstein, Sam A. My. Moder, Irving Pa. Morgenstein, Sam A. Miller, Elliout Moder, Irving Pa. Morgenstein, Sam A. My. Moder, Irving Alexander, Jr. N.Y. Moder, Irving Pa. Morgenstein, Sam A. Miller, Elliout Moder, Irving Moder, Irving Alore, Margaret D.C. With distinction, Suphanaler, Franch, Suphanaler, Jr. N.Y. Moder, Irving Moder, Irving Alore, George Moder, Irving Moder, Irving Moder, Irving Moder, Irving Alore, George Moder, Irving Moder, I	Brude Charles Salomon	Wash.	McCain, Thurlow Doane	
Calkins, Constantia Herbert Hommans Campbell, Doris Lorraine Campbel, Doris Lorraine Cantwell, William James Chalfin, Seymour Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Colins, William Timothy (With distinction) Confrey, Magdalene Santell Colins, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Dervan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Frisust, James Emory Freguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Lealie Herzbrun, Nancy Moder, Irving Moder, Irving Moder, Irving, Sam A. Murphy, Joseph Alexander, Jr. N.Y. Nelson, Mary Jane N.Y. N.Y. Nelson, Mary Jane N.Y. Nelson, Mary Jane N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. N.Y	Buckley Margaret Files	D.C.	McEntire, Ferne	Idano
Calkins, Constantia Herbert Hommans Campbell, Doris Lorraine Campbel, Doris Lorraine Cantwell, William James Chalfin, Seymour Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Colins, William Timothy (With distinction) Confrey, Magdalene Santell Colins, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Dervan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Frisust, James Emory Freguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Lealie Herzbrun, Nancy Moder, Irving Moder, Irving Moder, Irving, Sam A. Murphy, Joseph Alexander, Jr. N.Y. Nelson, Mary Jane N.Y. N.Y. Nelson, Mary Jane N.Y. Nelson, Mary Jane N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. N.Y	Burstein Rens Renson	D.C.	Megella, Ella Julianna	D.C.
Calkins, Constantia Herbert Hommans Campbell, Doris Lorraine Campbel, Doris Lorraine Cantwell, William James Chalfin, Seymour Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Colins, William Timothy (With distinction) Confrey, Magdalene Santell Colins, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Dervan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Frisust, James Emory Freguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Lealie Herzbrun, Nancy Moder, Irving Moder, Irving Moder, Irving, Sam A. Murphy, Joseph Alexander, Jr. N.Y. Nelson, Mary Jane N.Y. N.Y. Nelson, Mary Jane N.Y. Nelson, Mary Jane N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. Nelson, Mary Jane N.Y. N.Y. N.Y. N.Y	Buser Flizabeth Anne	D.C.	Millner, Elliott	D.C.
Campbell, Doris Lorraine Campo, Victor Charles Cantwell, William James Cantwell, William James Chaffin, Seymour Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy N.Y. Collins, William Timothy Collins, William Timothy N.Y. Collins, Mary Inman N.Y. Collins, Mary Inman N.Y. Collins, William Timothy N.Y. Collins, Mary Inman N.Y. Collins, William Timothy N.Y. Collins, Mary Inman N.Y. Collins, Mary Inman N.Y. Collins, Mary Inman N.Y. Collins, Mary Inman N.Y. Morerson, John Randolph N.Y. My. Collins, Mary Inman N.Y. My. Collins, William Timothy N.Y. Melson, Mary Jane N.Y. Collins, Mary Inman N.Y. My. Morerson, John Randolph N.Y. My. My. Collins, Mary Jane N.Y. My. Michael Planta N.Y. Morerson, John Randolph N.Y. My. My. Michael Planta N.Y. Morerson, John Randolph N.Y. Michael Planta N.Y. Michael Planta N.Y. Morerson, John Randolph N.	Calking Constantia Herbert Hommann	Va.	Minton, George	D.C.
Cantwell, William James Chalfin, Seymour Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Cope, Nancy FitzGerald Cooliss, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Dervan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Goldstein, Morton Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Lealie Loc (Conno, Charles Frederick III Va. N.Y. Nelson, Mary Jane Dr. O'Connor, Charles Frederick III Va. N.Y. Nelson, Mary Jane Dr. Orlin, Hyman N.Y. N.Y. Nelson, Mary Jane Dr. Orlin, Hyman N.Y. Pfuntner, Carl Herman N.Y. Red Stella Swingle N.Y. Red Stella Swi	Campbell, Doris Lorraine	IV a	Moder, Irving	D.
Cantwell, William James Chalfin, Seymour Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Cope, Nancy FitzGerald Cooliss, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Dervan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Goldstein, Morton Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Lealie Loc (Conno, Charles Frederick III Va. N.Y. Nelson, Mary Jane Dr. O'Connor, Charles Frederick III Va. N.Y. Nelson, Mary Jane Dr. Orlin, Hyman N.Y. N.Y. Nelson, Mary Jane Dr. Orlin, Hyman N.Y. Pfuntner, Carl Herman N.Y. Red Stella Swingle N.Y. Red Stella Swi	Campo, Victor Charles	Vt.	Morgenstein, Sam A.	n.c.
Chambers, Jay Lee Clark, Clara Belle Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Cope, Nancy FitzGerald Corliss, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Dalshein, Henry Monroe Dermohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faut, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Leslie Herzbrun, Nancy Corno, Charles Frederick III N. Y. Orlin, Hyman N. Y. Orlin, Hyman N. Y. Fla. N. Y. Corlin, Hyman Phenter, Carl Herman Phenter, Carl Herman Phenter, Carl Herman N. Y. Fla. N. Y. Corlin, Hyman N. Y. Fla. N. Y. Reed, Stella Swingle Okla. (With distinction) Schutz, Medvin	Cantwell, William James	N.Y.		Fla.
Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Cope, Nancy FitzGerald Corlins, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Hartan, Richard Irving Herbert, Edward Lealie Herzbrun, Nancy D.C. N.Y. Pfuntner, Carl Herman Pfluntner, Carl Herman N.Y. Pherson, Jan Herman D.C. Raphael, Paul Martin N.Y. Royner, Philip Pa. (With distinction) Schutz, Melvin (With distinction) Schutz, Melvin (With distinction) Schwartz, Helen Janet Va Schott, Cacar Lao Okia Okia Okia Okia Okia Okia Okia Okia	Chainn, Seymour	N.Y.	Nelson, Mary Jane	1'3
Cohen, Howard Martin Collins, William Timothy (With distinction) Confrey, Magdalene Santell Cope, Nancy FitzGerald Corlins, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Desay, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Hartan, Richard Irving Herbert, Edward Lealie Herzbrun, Nancy D.C. N.Y. Pfuntner, Carl Herman Pfluntner, Carl Herman N.Y. Pherson, Jan Herman D.C. Raphael, Paul Martin N.Y. Royner, Philip Pa. (With distinction) Schutz, Melvin (With distinction) Schutz, Melvin (With distinction) Schwartz, Helen Janet Va Schott, Cacar Lao Okia Okia Okia Okia Okia Okia Okia Okia	Chambers, Jay Lee	D.C.	O'Connor, Charles Prederick 111	N. V.
Collins, William Timothy (With distinction) Confrey, Magdalene Santell Cope, Nancy FitzGerald Corliss, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Dervick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria D.C. Raphael, Paul Martin Pa. Culth distinction) Rovner, Philip (With distinction) Schutz, Melvin (With distinction) Schutz, Melvin (With distinction—Special hemora in English) D.C. Schutz, Melvin (With distinction) Schutz, Melvin (With distinction) Schutz, Melvin (With distinction) D.C. Schutz, Melvin (With distinction) Schutz, Melvin (With distinction (With distinction (With distinction (With	Clark, Clara Belle	N.C.	Orlin, riyman	Fla
(With distinction) Confrey, Magdalene Santell Cope, Nancy FitzGerald Coliss, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Harman, Hugh Huebner Herbert, Edward Leslie Herbrun, Nancy D.C. Handle Pa. Red, Stella Swingle (With distinction) Rovner, Philip (With distinction) Schutz, Melvin (With distinction) Schutz, Helen Janet (With distinction) Schutz, Melvin (With distinction)	Cohen, Howard Martin	N.3.	Pluntner, Carl Herman	DC
Cope, Nancy FitzGerald Corliss, Earl, Ir. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Schutz, Melvin Depue, Margaret Van Nostrand Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Harman, Hugh Huebner Hartan, Richard Irving Herbert, Edward Lealie Herzbrun, Nancy D.C. With distinction) Pa. (With distinction) Schutz, Melvin (With distincti	Collins, William Timothy	N.Y.	Pherion, John Kandolph	D.C.
Cope, Nancy FitzGerald Corliss, Earl, Ir. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Schutz, Melvin Depue, Margaret Van Nostrand Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Harman, Hugh Huebner Hartan, Richard Irving Herbert, Edward Lealie Herzbrun, Nancy D.C. With distinction) Pa. (With distinction) Schutz, Melvin (With distincti	(With distinction)	DC	Pachael Paul Martin	N. Y
Corliss, Earl, Jr. Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Dervan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Schutz, Melvin (With distinction) Schwartz, Helen Janet D.C. Schwartz,	Confrey, Magdalene Santen			DC
Crews, Frederick Donovan Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwas, Meyer (With distinction) Schutz, Melvin (With distinction—Special hemora in English) Cohio Schwartz, Helen Janet Ohio	Cope, Nancy PitzGerald	Ohla.	(With distinction)	D.C.
Curry, Stowers Leigh Dalshein, Henry Monroe Darmohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Derrick, Duane Greenwood Derrick, Duane G	Corliss, Earl, Jr.	Ela.		p.
Dalshein, Henry Monroe Darmohray: Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Desay, John Paul Devan, Thomas Arthur D.C. Shwartz, Helen Janet D.C. Schwartz, Helen	Crews, Frederick Donovan	Fia.		8 4.
Darmohray, Edward Joseph Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Dervick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Hartan, Richard Irving Herbert, Edward Lealie Herbrun, Nancy Md. (With distinction—Special hemory in English) Schwartz, Helen Janet Schokartz, Helen Janet O.C. Schwartz, Helen Janet O.C. Schwartz, Helen Janet Schwartz, Helen Janet O.C. Schwart	Curry, Stowers Leign	NV		DC
Davis, Dale Miller Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Utah Derrick, Duane Greenwood Derrick, Duane Greenwood Derrick, Duane Greenwood Utah Drew, Norma Jean Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robias Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Lealie Herzbrun, Nancy D.C. in English) Schwartz, Helen Janet D.C. Schwartz, Helen Janet		3.6.1		
Deasy, John Paul Depue, Margaret Van Nostrand Derrick, Duane Greenwood Ulah Derrick, Duane Greenwood Ulah Devan, Thomas Arthur D.C. Shwate, Kenneth Walter D.C. Shwate, Kenneth Walter N. D. Stephens, Fargene Penley Maine Stephens, Fargene Penley Pa. Stolarski, C. Robert D.C. Strickman, Louis N. Y. Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Hartan, Richard Irving Herbert, Edward Lealie Herzbrun, Nancy D.C. Voerge, Helen Janet D.C. Schwattz, Helen Jane D.C. Schwattz Helen Jane D.C. D.C. Vane J	Darmohray, Edward Joseph			mos s
Depue, Margaret Van Nostrand Derrick, Duane Greenwood Ulah Derwick, Duane Greenwood Ulah Dewan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Harton, Richard Irving Herbert, Edward Leslie Herzbrun, Nancy Senft. Oacar Lao Okla. Shwnnon, Cruthia Farrall Va Schunch, Cacha Lou Stevene, Karl Lotter N D.C. Strickman, Louis N Y. Strickman, Louis N Y. Tabler, Grayson Brust Thienel, Phillip M Thompson, Eleanor Lee Pa Thorn, Patricia Alice Pa Harton, Richard Irving Md. Trolson, Faye Eleanor Herbert, Edward Leslie D.C. Voerge, Helen Lily Oct.			Cohmon Walon Tones	DC
Derrick, Duane Greenwood Devan, Thomas Arthur Drew, Norma Jean Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Glisson, Janet Maria Goldstein, Morton Glosson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Leslie Herzbrun, Nancy D.C. Shwite, Kenneth Walter Va. Sletten, Robert Eugene N. D. Stephens, Fausen Penley Maine Stephens, Fausen Penley Maine Strickman, Louis N. Y. Strickman, Louis N. Y. Tabler, Grayson Brust Thiere, Phillip M Thompson, Eleanor Lee Md. Thorn, Patricia Alice Pa Tileston, Perley Dominic Ill Trolson, Faye Eleanor Tenn Md. Trolson, Faye Eleanor Goldstein, Morton Harton, Richard Irving Md. Trolson, Faye Eleanor Goldstein, Morton Harton, Richard Leslie D.C. Voerge, Helen Lily Occ.	Deasy, John Paul			
Devan, Thomas Arthur Drew, Norma Jean Drew, Norma Jean Mont. Dwass, Meyer (With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Hartan, Richard Irving Herbert, Edward Lealie Herbertun, Nancy D.C. Shrite, Kenneth Walter N. D. Schette, Ropert Eugene N. D. Steiten, Robert P. Stolarski, C.	Depue, Margaret Van Nostrand			DC
With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Harton, Richard Irving Herbert, Edward Leslie Herbert, Robert Stoharski, C Robert Pa. Strickman, Louis Strickman, Louis Strickman, Louis N.Y. Tabler, Grayson Brust Thompson, Eleanor Brust Thompson, Eleanor Lee Pa. Thorn, Patricia Alice Pa. Md. Toolon, Perley Dominic Ill Toolon, Faye Eleanor Herbert, Edward Leslie D.C. Voerge, Helen Lily Ga Herbert, Edward Leslie D.C. Vorom, Oliver Evans	Derrick, Duane Greenwood			1'9
With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Harton, Richard Irving Herbert, Edward Leslie Herbert, Robert Stoharski, C Robert Pa. Strickman, Louis Strickman, Louis Strickman, Louis N.Y. Tabler, Grayson Brust Thompson, Eleanor Brust Thompson, Eleanor Lee Pa. Thorn, Patricia Alice Pa. Md. Toolon, Perley Dominic Ill Toolon, Faye Eleanor Herbert, Edward Leslie D.C. Voerge, Helen Lily Ga Herbert, Edward Leslie D.C. Vorom, Oliver Evans	Devan, Thomas Arthur			
(With distinction) Einheber, Albert Faust, James Emory Ferguson, Mary Virginia Robins Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Harton, Richard Irving Herbert, Edward Leslie Herzbrun, Nancy Stolarski, C Robert Pa. Stolarski, C Robert D.C. Strickman, Louis N.Y. Suverkrup, Maryjo N.V. Tabler, Grayson Brust V. Tabler, Grayson Brust V. Thompson, Eleanor Lee Md. Thompson, Eleanor Lee Pa. Md. Thorn, Patricia Alice Pa. Md. Trolson, Perley Dominic Ill Harman, Hugh Huebner Harton, Richard Irving Md. Trolson, Faye Eleanor Herbert, Edward Leslie D.C. Voerge, Helen Lily Ga Herbert, Edward Leslie D.C. Vorom, Oliver Evans	Drew, Norma Jean			
Einheber, Albert Pa. Stone, Karl Lotter D.C. Strickman, Louis N.Y. Ferguson, Mary Virginia Robins Ark. Suverkrup, Maryjo Nev. Fisber, Ann Katherine Va. Tabler. Grayson Brust III. Glisson, Janet Maria Va. Thompson, Eleanor Lee Md. Goldstein, Morton N.Y. Thorn, Patricia Alice Pa. Goldstein, Morton D.C. Tileston, Perley Dominic III. Harman, Hugh Huebner N.Y. Toel, Myra Nan Mathatton, Richard Irving Md. Trolson, Faye Eleanor Tenn Herbert, Edward Leslie D.C. Voerge, Helen Lily Ga. Herzbrun, Nancy D.C. Vroom, Oliver Evans		Conn.	Stephens, I thene I enter	
Ferguson, Mary Virginia Robins Fisher, Ann Katherine Va. Tabler, Grayson Brust Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Leslie Herzbrun, Nancy Ark. Suverkrup, Maryjo Nev. Tabler, Grayson Brust Thore, Falson Les Theeners Thore, Patricia Alice Pa Toel, Myra Nan Tenn Tenn Tenn Tenn Ga Herbert, Edward Leslie D.C. Voorge, Helen Lily Ga Herzbrun, Nancy D.C. Voom, Oliver Evans	(With distinction)	n.	Stolatiki, C. Robert	D.C.
Ferguson, Mary Virginia Robins Fisher, Ann Katherine Va. Tabler, Grayson Brust Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Leslie Herzbrun, Nancy Ark. Suverkrup, Maryjo Nev. Tabler, Grayson Brust Thore, Falson Les Theeners Thore, Patricia Alice Pa Toel, Myra Nan Tenn Tenn Tenn Tenn Ga Herbert, Edward Leslie D.C. Voorge, Helen Lily Ga Herzbrun, Nancy D.C. Voom, Oliver Evans	Einneber, Albert		Stone, Karl Lotter	P. L.
Fisher, Ann Katherine Garrett, Patricia Ann Glisson, Janet Maria Goldstein, Morton Green, Samuel Harman, Hugh Huebner Harton, Richard Irving Herbert, Edward Lealie Herbrun, Nancy Va. Tabler, Grayson Brust Ill Thienel, Phillip M Ill Thorn, Patricia Alice Pa Thorn, Patricia Alice Pa Md. Trolson, Faye Eleanor Ga Herbert, Edward Lealie D.C. Voerge, Helen Lily D.C. Vorom, Oliver Evans	Faust, James Emory	D.C.	Strickman, Louis	Nev.
Garrett, Patricia Ann D.C Thienel, Phillip M Glisson, Janet Maria Vs. Thompson, Eleanor Lee Md. Glisson, Janet Maria Vs. Thompson, Eleanor Lee Md. Green, Samuel D.C. Tileston, Perley Dominic Ill Harman, Hugh Huebner N.Y. Toel, Myra Nan Md Haxton, Richard Irving Md. Trolson, Faye Eleanor Tenn Herbert, Edward Leslie D.C. Voerge, Helen Lily Ga Herzbrun, Nancy D.C. Vroom, Oliver Evans	Ferguson, Mary Virginia Kobins	Ark.	T-bles Convers Brust	
Glisson, Janet Maria Glisson, Janet Maria Goldstein, Morton N.Y. Thora, Patricia Alice Pa Thora, Patricia Alice Pi T	Court Parkatherine	D.C.	Things Dhillin M	
Goldstein, Morton Green, Samuel Harman, Hugh Huebner Haxton, Richard Irving Herbert, Edward Leslie Herzbrun, Nancy D.C. Thora. Patricia Alice Patricia Alice Ill D.C. Tileston, Perley Dominic Ill Md. Tool, Myra Nan Md. Trolson, Faye Eleanor Tenn Ga Herbert, Edward Leslie D.C. Voorge, Helen Lily D.C. Vroom, Oliver Evans	Glisson, Janes Maria	D.C	Thompson Fleanor Lee	Md.
Green, Samuel D.C. Tileston, Perley Dominic III Harman, Hugh Huebner N.Y. Toel, Myra Nan Md Haxton, Richard Irving Md. Trolson, Faye Eleanor Tenn Herbert, Edward Leslie D.C. Voorge, Helen Lily Ga Herzbrun, Nancy D.C. Vroom, Oliver Evans	Goldstein Martin	NV	Thorn Patricia Alice	Pa.
Harman, Hugh Huebner N.Y. Toel, Myra Nan Md Haxton, Richard Irving Md. Trolson, Faye Eleanor Tenn Herbert, Edward Leslie D.C. Voerge, Helen Lily Ga Herzbrun, Nancy D.C. Vroom, Oliver Evans	Green Samuel	D.C	Tileston Perley Dominic	111.
Herbert, Edward Leslie D.C. Voerge, Helen Lily Herzbrun, Nancy D.C. Vroom, Oliver Evans	Harman Hugh Washers	N.V	Tool Myra Nan	Md.
Herbert, Edward Leslie D.C. Voerge, Helen Lily Herzbrun, Nancy D.C. Vroom, Oliver Evans	Harton Dishard Issian	344	Trolson Fave Fleanor	Tenn.
Herzbrun, Nancy D.C. Vroom, Oliver Evans	Herbert Edward Leelie	DC	Voeree Helen Lily	Ga.
		DC	Vecom Oliver Evans	D.C.
Took, Janes Manded A.C. Wash, Distance of the Control of the Contr		DC	Wade Richard Rudolph	Ohio
	Janet Mildies	27.0		

Warren, Virginia Nesbitt	Va.	Wolfenson, Jay Warren	D.C.
(With distinction)		Wolfe, Lenard Lee	l'a.
Weaver, Douglas Price	D.C.	Wooddell, George Preston	Fla
Weish, James William	Tex.	Young, Donald Earl	Pa.
Wilson, Grace Cunard	D.C.	(Special bonors in Economics) Zichterman, Harry William	
Wilton, Francis William	Maine	Zichterman, Harry William	IH.
	FEBRUAR	Y 23, 1949	
Andree, Betty Louise	Tex.	Keefe, Robert Francis	Mass.
Applebaum, Helene Joan	N.Y. N.Y.	Kellman, Sidney	Pa.
Avnet, Zelda Siller	N.Y.	King, Mary Mazeppa	Fla.
Barrington, Phyllis Elizabeth	Ariz, Md,	Levitov, Edith Sylvia	\ a.
Bass. Charles White	Tenn.	Levy, George Joseph Eli	Mass
Rates Frederick LaRoy	D.C.	Logan, Elizabeth Bronson Long, Paul Robert	D C Pa.
Bates, Frederick LeRoy Belant, Bernard Brian	D.C. D.C.	Loomis Gwandolun Vuonna	Tex.
Bernstein, Stanley Paul	Mass.	Lyona William Stewart	D (
Berry, Zelda Bertha Bloch, Robert Oakleigh	D.C.	Loomis, Gwendolyn Yvonne Lyons, William Stewart Mans, Robert Urban May, Thomas James	DC.
Bloch, Robert Oakleigh	Nebr.	May. Thomas James	Muss.
Booker, Lewis Albert Bowler, John Andrew, Jr. Brown, Agnes Marie	Va.	Meyer, William Frederick	Ark.
Bowler, John Andrew, Jr.	D.C.	Nordham, George Washington Olszewski, Doris Morgan	Ark. N.J.
Brown, Agnes Marie	D.C.	Olszewski, Doris Morgan	Md.
Cafritz, Isobel	D.C. D.C. D.C. D.C.	(With distinction)	21.27
Calvo, Mary Alicia	D.C.	Ostrove, Bertram Ira	N.Y.
Carlson, Howard Kenneth Carroll, Norman Sellman	Wis. Va.	Otterman, Harvey Boyd, Jr.	Miss
Coalson, Thomas Ernest	Va.	Parkes, James Lloyd	1.3.
Constantine, David	710.	Persian, John Gregory Purcell, Patricia Eileen Quick, Elsie McQueen	Minn
Costa, Robert Oliver	Hawaii	Ouick Flair McOuren	N.C.
Cound, John James	Va.	Rayack Flton	NC.
Cound, John James Crane, Eather Sibyl	IN . IML.	Rayack, Elton (With distinction)	
Crane, Joan Nancy	Va.	Rice, Millard Berger, Jr.	Va. N.J. Md.
Cummings, Lilla Burt	Pa.	Rogers, Rachel Cauldwell	N.J.
Dalzell, Harry Blackburn	Md.	Rosenthal, Harold	Ma.
Davis, Barbara Jean	Fla.	Rowe, Willis Case	D.C. D.C. N.J. Va.
Demos, Frances Louise	N.Y.	Rutland, Herbert Ross, Jr. Sacharoff, Victor	N.I.
DeMott, Benjamin Haile (With distinction)	24.2.	Sacharoff, Victor	Va.
Dovle Mahlon Fueene	N.Y.	Sagendorf, Jack Bertolette Salomon, Barbara Irene	D.C.
Dreisenstok, Erwin Milton Fitzpatrick, June (With distinction)	Md.	A.B. 1946, University of Chicago	
Fitzpatrick, June	Pa.	Sanborn, Henry Norris	Md.
(With distinction)		Schneiberg, Rosalyn	D.C.
Logelgren, Agnes Marie	D.C.	Schneiberg, Rosalyn Schnell, William Cardigan	Pa.
Giles, Mary Elizabeth	Va.	Schwarzman, Estelle	D.C.
Grant, Charmian Ernestine	Va.	Simmons, Joseph Alvin	Va.
Greenwold, Charlis Smason Grenadier, Albert Harold	Tex. Va.	Smith, Patricia Ann Spiegel, Morton Lee	n.C.
Grimwood, Rebecca Foxworth	Miss.	Spiegel, Morton Lee	D.C.
Harley Claire	Pa.	Strupp, Werner Stuart, John Bruce, Jr.	Va.
Harley, Claire Harris, Paul Austin	Okla.	Stuart, John Bruce, Jr.	Md.
(Special honors in English)		Tashsian, Lee Charles	Va.
Harris, Ruth Ann	D.C.	Taylor, Irving Henry, Jr. (With distinction)	
Harron, Meyer Jacob	D.C.	Todd, John George	Pa.
Henderson, Helen Neel Hoke, Neil Herman	D.C.	Vaughan Leonard Walton	Va.
Itoke, Neil Herman	Va.	Vaughan, Leonard Walton (With distinction—Special honors	
Hollingshead, Robert Sullivan, Jr.	D.C.	in Psychology)	
Hughes, Wilton John Hungerford, James Fergusson Hurt, Mary Texas Jefferson, Alfred Carter	Pa.	Vernoff, Samuel	N.Y DC
Hurr Macy Torac	D.C.	Voneiff, John Dunbar	1) (
lefferson Alfred Cartes	Ala. Tez.	White, Kenneth Woodward	D C Md
IOPI Lambert Navol	Pa.	Wilkerson, John Krantz, Jr.	
Johnson, Alfred Paul	Masa.	Williamson, Robert Ernest	DC.
Johnson, Alfred Paul Johnson, Paul Fogerty Johnson, William Horace	N.H.	Wilson, Noel Charles	Calif.
Johnson, William Horace	Tex.	Wooden, Donald Gminder	
Kamban, Sibil	Iceland	Zucker, Isidore	N.Y.
	JUNE	1, 1949	
Applestein, David	D.C.	Badger, Thomas Jenkins	Va.
Arkoian, Garabad Babcock, Margaret Shippen	D.C. D.C.	Badger, Thomas Jenkins Bailey, Margaret Allison Baker, Constance	Mo Fla.
Dadcock, Margaret Shippen	Md.	Baker, Constance	1.10.

		- H - C -	Va.
	DC	Gibbons, Della Sue	D.C.
Baldi, Fiorenza Henrietta	DC. DC. NJ. DC. D.C. D.C. D.C.	Gibbons, Della Sue Godbey, Gloria Swanson Gold, Abraham Melvin	D.C.
Barnett, Robert Alexander	DC.	Gold, Abraham Melvin	Mass. Va.
Barnett, Robert Alexander Beall, Elizabeth Ann	N.I.	Gold, Abraham Melvin Gordon, James Kirke Gordon, Wanda Przybylski Gotschall, Gale Parkinson (With distinction—Special honors	Mass.
Beke, Steven	DC	Gordon, Wanda Przybyteki	Nebr.
Beke, Steven Belson, Mae Goldie Berlanstein, Jean Bernice Berlinsky, Stanley Louis	D.C.	Wish distinction—Special honors	
Berlinsky Stanley Louis	D.C.		0.0
Bialek Kobert	D.C.	Coon William Oliver, Jr.	D.C. Wash.
Blackmore, Helen Hayes	Calif	Connery Flitabeth Ann	Md.
Blee, Holly Jane	D.C.	Gulliver, Ann Derby	N.J. D.C.
Bogen, William Boin, Jerome King	D.C.	Hall, Allan Hall, Katherine Farragut	D.C.
Bowen, Thales, It.	D.C.	Halloran, Julia Ann	D.C.
Bowen, Thales, Jr. Boyer, Sarah Lucy	Va. Pa.	Halloran, Julia Ann Hamler, Dollie Rubye	Iowa
Bradshaw, Ann Shewell Brastow, Jerome Duryes	DC	Hammer, David Edwin, Sr.	III. Va.
Brastow, Jerome Duryes	Va.	Hardin, Dale Wayne	N.Y.
Brennan, Robert James Brodsky, Herman Brooks, Nellie-Walker Brown, Elsie-Mio	Va. N.Y. Va.	Hammer, David Edwin, Sr. Hardin, Dale Wayne Harris, Robert Hyman Harris, Samuel Henry, Jr. Hause, Benton Arlington	Fia.
Brooks, Nellie-Walker	DC.	Hause, Benton Arlington	D.C.
Brown, Elsie-Mio	Mont.	Hawkins, Elizabeth Louise	W.Va.
Bruckner, Raymond Lawrence Burdsall, Lorna Nell	Conn.	Henesy, Gregory Inomas	Fla.
Burna Robert Lee	DC. DC. DC.	Hawkins, Elizabeth Louise Hawkins, Elizabeth Louise Henesy, Gregory Thomas Higgins, Helen Virginia Hirsch, Marilyn Rosalyn Unwerten Loseph Renjamin	D.C. Md.
Burns, Robert Lee Burrows, Kenneth Wilson	DC.	Howerton, Joseph Benjamin	Md.
Cadagua Albert Helale	Tonn	Hubbell, Sarah Glazier	Va.
Callahan, Martha Anne Howard	DC.	Hunton, Richard Edwin	N.Y
Cameron, John William	DC. Va. DC. D.C.	Hutter, Samuel	D.C. N.Y. IU.
Campbell, Charles Frederick Cappelen, Louise Munths	D.C.	lanks Edward Frederick, Jr.	N.J.
Chacos, Maria George Chamberlin, Beverly Mann	D.C.	lennings, Mary Claire	Okla.
Chamberlin, Beverly Mann	Va. Va.	Joel, Clark	N.Y. Md
Clouser, David John	D.C.	Johnson, Eva M.	III.
Colliflower, Charles Ernest	D.C.	Johnson, John Edgar	Ohio
Cohn, Sylvia Colliflower, Charles Ernest Compton, Minnie Charlotte Corrado, Michael Anthony Cox, Wallace Keith	DC.	Higsin, Nesen Vagaiya Hirsch, Marilyn Rosalyn Howerton, Joseph Benjamin Hubbell, Sarah Glasier Hunton, Richard Edwin Hutter, Samuel Jaicks, Agar Janke, Edward Frederick, Jr. Jennings, Mary Claire Joel, Clark Johnson, Eva M. Johnson, John Edgar Jones, Robert John Kaspriryk, Laura Joan Kavanagh James Francis Kemp, William George Kerr, Horace Eskew Kessinger, James Benneet	N.J. D.C
Corrado, Michael Anthony	lowa	Kavanagh James Francis	D.C Md.
L'rom L'infils LyfisWOLG	Va.	Kemp, William George	DC
Dailey, Catherine Bernice Daly, John Joseph Davenport, Cicely Merrian	Conn.	Kerr, Horace Essaw Kessinger, James Bennett Kibler, Milton Andrew King, James Cecil (With distinction—Special hor	La
Daly, John Joseph	DC. DC.	Kibler, Milton Andrew	Md.
Davenport, Cicely Merrian	DC.	King. James Cecil	Pa.
Davis, Albert Paul Davis, Evelyn Smalling	Va.	(With distinction—Special hor	IOFS
(With distinction) Davis, Thomas McLellan, Jr. Deem, Thomas Richard	DC	in German)	D.C.
Davis, Thomas McLellan, Jr.	D.C. Mich.	Koach, Joseph Lewis	Pa.
	Md.	Kugelmass, Solomon	N.Y.
Detty, George William, Jr.	DC	Kyriazis, Peter William	Md.
Dewberry, Willis Elbert	1.3	Lachman, Lenora	Md. N.Y.
Dahasa Jaanna Louise	Md Pa	La Guardia, Alfred Attilio	Va.
Des Vice Percusi Anthony	Conn		Va.
Duplinsky, Edward Nicholas	Mont	Leonard, Orel Klein	D.C.
Eastop, James Edward Edge, Ruth Marianne	D.C N.J	Leslie, Barbara Mason	Conn.
Eilenberg, David	N.)	Liebow, Elliot	D.C. Mo.
Epstein, Marion	Mass	Lipscomb, Nancy Plarris	Md.
Evenson, Marilyn Olia	V:	Lorrait, Vonnette Bogan Lynn, George Wallace, Jr.	Va
Faith, Don Carlos	Neb	Viscopald Halan	III.
Federle, Jesse Alan	DO	Mason, Archibald Osburn, Jr.	Mich
Feldman, Sol Feltman, Robert Ferree	1.		Va. Va.
Fink, Jules	DO	McGraw, Arthur Kerth	Va
Fish, Joanne Margaret	D	McHugh, James Marshall, Ir.	D.C.
Fitton, Harvey Nelson, Jr.	D	Mellen, Vera Lastfogei	Va.
Fitzgerald, Donald Edward Foutz, Leslie Robert	D.O	McGraw, Arthur Keith McGraw, Carrington Belt, Jr. a. McHugh, James Marshall, Jr. C. Mellen, Vera Lastfogel C. Mellor, Carol Krause Merritt, Arthur Donald	D.C.
Franklin, Maryjo	M	d Merritt, Arthur Donald	Minn
Freedman, Norma Clare Fry, Eugene Nathan	N D		Va
Fry, Eugene Nathan	1)	C. Miller, Elaine Sylvia Id. Miller, William Francis	Va Pa
Fulcher, Robert Clinton, Jr.	N.	Y. Mitchell, Marguerite Amy	Va
Gainen, Leon Gaines, Robert Wesley, Jr.	1	/a. Moe. Alfred Brox	Va D.C
Gendason, Esther Resnick	N	Id. Moffitt, Meredith	D.C.

Mulling, Jack J. Murphy, Joseph Patrick Muse, Claude Revere, Jr.	Ga.	Shields, Rita Katharine	Mont.
Murphy, Joseph Patrick	Va.	Shipley, Nancy Kane	Ky.
Muse, Claude Revere, Jr.	D.C.	Shipley, Nancy Kane Slavin, Joseph George Smith, Richard Cook	Ky. N.Y. Va.
Myers, Virginia-Anne	Md.	Smith, Richard Cook	Va.
Myerson, Jacob Myer (With distinction)	D.C.	Spaulding, Frances Spruce	Md.
(With distinction)		Stambaugh, Donald John	D.C.
Nahm, Doris (With distinction—Special	Md.	Stamey, Harry Clay Steiner, Otto Thomas	Pa. N.Y.
(With distinction—Special	honors	Steiner, Otto Thomas	N.Y.
in German)		Stephens, Jack Payne (With distinction)	Md.
Neafsey, John Francis, Jr. Nemeth, Joe (With distinction)	Mass.	(With distinction)	
Nemeth, Joe	Mo.	Stetson, Richard	Md.
(With distinction)		Stevens, Marguerite Dick	D.C.
Neuss, Cecile Newcomb, Margaret Elaine	N.Y.	Stone, James Robert	D.C. D.C.
Newcomb, Margaret Elaine	Mich.	Stroud, Doris Lucia	Mass.
Nolan, Kathleen Mary Nolan, William Joseph, Jr. Nubbe, Virgil George Oxholm, Axel Waldemar Henry Paisley, Elizabeth Ann	D.C.	Sturtevant, Alderic Clarence	Md.
Nolan, William Joseph, Ir.	Conn.	Sugar, Harold Samuel	D.C.
Nubbe, Virgil George	Minn.	Swanson Retty Anna	D.C. N.Y.
Oxholm Axel Waldemar Henry	Virgin Islands	Swanson, Betty Anne Thomas, Ruth	
Paisley Elizabeth Ann	Va.	Thomason Coroldina	Ores.
Pasternack, Ann	Va.	Thompson, Geraldine	Oreg.
Paulas Pakass Vandall	Md.	Thurman, Alice Merritt	Va.
Paviat, Kobert Kendau		1 oomey, John Samuel	Tenn.
Paviat, Robert Kendall Pearce, James Tucker Persiani, Rosemary	Conn.	(With distinction—Special honors	
Personal Posteriary	Va.	Thomas, Ruth Thompson, Geraldine Thurman, Alice Merritt Toomey, John Samuel (With distinction—Special honors in English) Trumbull, Robert Gay, Jr. Tucker, Lyman Ray	- T
Peters, Betty Joan	D.C. N.Y. D.C. D.C.	Frumbull, Robert Gay, Jr.	R.I.
Pettinicchi, Arthur John Pine, Donald Kay	N.Y.	Tucker, Lyman Ray	Tex.
Pine, Donald Kay	D.C.	Uhl, Charles Christian Umhau, John Bernard, Jr, Unger, Howard Robert	N.Y. D.C. D.C.
Raum, Phyllis Miriam	D.C.	Umhau, John Bernard, Jr.	D.C.
Reardon, Robert Eugene	W.va.	Unger, Howard Robert	D.C.
Reynolds, Margaret Mary	Pa.	Warner, William Claffin Wenger, Edward George	Md.
Robinson, Louis	D.C.	Wenger, Edward George	Md.
Roman, James Alvin	Mo.	Wherry, David Colwell	Nebr.
Rosenthal, Melvin Stanley	D.C.	Whiting, Louise Tiffany	Tex.
Rubinstein, Irvin	Md.	Whitmore, Jane Frances	Md.
Ruth, Joseph Young Scanlan, Thomas Russel, Jr.	Pa.	Whitmore, Jane Frances Williams, Patricia	Miss.
Scanlan, Thomas Russel, Ir.	Md.	Wilson, Joyce Marguerite (With distinction) Wolff, Gerald Spalding	III.
Scarborough, James K. Schmidt, William Francis Schreiner, Stanley Warner Seguin, Docothy Pittenger	Miss.	(With distinction)	
Schmidt, William Francis	N.Y.	Wolff Gerald Spalding	D.C.
Schreiner Stanley Warner	Va.	Wolfeen Fileen Riching	Md.
Seguin Dorothy Pittenger	Minn.	Wolfson, Eileen Bishine Womack, Herman Lynn	Miss.
Shampain, Leon	N.Y.	Wood Lucy Alice	Wis.
Shanka Inna Fliashath	Md.	Wood, Lucy Alice Yamamoto, Kenneth K.	Md.
Shanks, Jane Elizabeth Sheridan, Philip Regis	Pa.	Zeydel, Jeanne Randolph	D.C.
Sherwood, Virginia	Va.	Zoll, Nathan Hyman	Mass.
Suci wood, Virginia	V4.	Zou, Nathan Hyman	farmer.
	BACHELOR (OF SCIENCE	
	NOVEMBER	11, 1948	
Baroff, George Stanley DeKornfeld, Thomas Hawwell, Judith Ruth Howitz, Harvey Levy, Charles Kingaley	NW	Day Mark IV Mr.	N.Y.
Dallon, George Stanley	N.Y.	Rosenblatt, Harry Myer	D.C.
Harmall Ludiah Bush	Md.	Ruffing, Lynus Frederick	D.C.
Hamisa Hama	Va.	Silverberg, Stanley Melvin	
TIOTWIEZ, FLATVEY	D.C.	Smith, Jack Wyman	Tex.
Levy, Charles Kingsley	D.C. N.Y.	Stringham, Jean Maxwell	Md.
Martens, Seymour	N.Y.		D.C.
McCreight, Charles Edward	D.C.	Thomas, Richard Ogden	D.C.
Modlin, Albert Jay	D.C.	Walsh, Jane Angela	
Martens, Seymour McCreight, Charles Edward Modlin, Albert Jay O'Dea, Patrick Lawrence	D.C. D.C. D.C.	Willson, John Tucker	Colo.
	FEBRUARY	22, 1949	
Cobb, Thomas Lambert			Md.
Ernst, Edward Cranch	Mont	Shapilo, John Joseph	
aRocca, Marie Barbara	Calif.	Takemoto, Kaname	Hawan
ical, Morgan Swaim	Calif. N.Y. D.C.	Tucker, Nancy Jane	D.C.
	JUNE 1	1949	
Allison, LeRoy Montgomery, Jr.	Md	Brandenburger, Elice Ann	Va.
perkowitz, Leonard L.	N.Y.	Bruin, Edith Helen	Va.
Biasini, Adolph Paul		Cahan, Iules Isaac	D.C. D.C.
Bouquet-Chautemps, Jean Pierre Ed	ouard Md	Carlton, Harry Nelson	D.C.
		Carrier, classy treasure	

Clark, George Henry, Jr. Cohen, Melvin S. (With distinction) Conti, Carl Conrad Cooper, Cecil (With distinction) Davidson, Herbert Donald Fioramonti, Mary Clair Gervasio, James Robert Glover, Donald Jackson Goldsend, Victor Goldstein, Walter Carl Hargart, Lane Harris, Forest Klaire II Harrison, Louis Pincus Henry, James Jinnor James, Edith Lee Kohl, Francia Victor Lambert, Francia Stincoln (With distinction—Special honors in Zoobust	Martin, William Francis Mapin, Dorothy Ray Y. McKinley, Thomas William, Jr. Millet, Laverne Sayre N.J. Monahan, Stephen Thomas Ochi, Massauchi Olshin, Seymour Samuel DC Owen, Richard Roberts DC, Patten, Stanley Fletcher, Jr. N.I. Perez, Jorge Ramon DC, Pilver Charles Jay N.Y. Roberson, Elbert Belmont, Jr. DC Rock Dons Lorraine N.Y. Segal, Bernard Rubin DC Shore, Parkhurst Alan Schert, Leo Mass. Singman, David Va. Solbert, Leo Mass. Charles Porter Winter, LeoRand Gerard Wales, Charles Porter DC, Yowell, Earl Reddish	D C. D.C. Fla. N.Y. Hawaii N Y. Ind. D C. Puerto Rico D C. C D
--	--	---

MASTER OF ARTS

NOVEMBER 11, 1948

Novi	EMBER	11, 1940	711
Enikeieff, Una Owen	D.C.	Newkirk, George Francis A B 1946. The George Washington	111.
BS. 1945. AB 1946. The George Washington University	N.J.	(niversity	Md.
Epstein, Jerome Harold A.B. 1947, New York University Evans, Philip Gordon	Pa.	University	Nev.
A.B. 1936, Pennsylvania State College Frost, John Dean		Norton, Hugh Stanton AB 194". The George Washington	,464.
University Charles George Washington		University Walter Paul	W.Va.
A.B. 1947. Fastern Navarene College	Va.	A.B. 1942. Salem College	Pa.
A.B 1917, University of Wisconsin	20.1.	A B 1941. The George Washington University	21.27
A.B 1948. The George Washington	D.C.	Schneider, Herbert Henry AB 1947. New York University	NY.
Hoopes, Roy Harry, Jr.	D.C.	Spitznagel, Anne Sirch	Md.
University	5.0	B S 1947, Co. Illion	Md.
Johnson, Augustus Clark A B. 1946. The George Washington	DC.	Stewart, Charles Todd, Jr. AB 1946, The George Washington	
University Lancaster, Georgina	DC.	University	Wis.
A.B. 1947. The George Washington	DC.	A B 1019, University of	TAR conser.
LeFevre, Jean Elting A.B. 1947. The George Washington University	DC.	A B 1947. The George Washington University	1

FEBRUARY 22, 1949

Boehler, Robert E. A.B. 1915. University of Toledo Child, Ralph Grassing	Ohio NY.	Hochbaum, Godfrey Martin A.B. 1947. American University Holt. David A.B. 1940. University of New	Tenn.
A B. 1941. Hofstra College Dias Carneiro, Octavio Agusto B.S. 1941. Bruzilian Naval Academy Doran, Leonard Granville A.B. 1942. Harvard University	Brazil Y	Hampshire Kantur, Sidney A.B. 1947. The George Washington University	N.Y.

350 T)	he Unit	versity Record	
Marsh, Richard Wade A.B. 1943, American University Marshburn, Bryan Dow B.S. 1945, Wake Forest College Mintz, Sidney A.B. 1938, Ohio University Peterson, David Allen B.S. 1937, Massachusetts State Co Stone, Helen Seepar A.B. 1916, Northwestern University	D.C. N.C. Mich. Mass. bilege Ind.	A.B. 1947, The George Washington University Woodward, Lawrence Godfrey A.B. 1948, The George Washington University	
	JUNE	1, 1949	
Allen, Eileen Denney A.B. 1938, University of Marylan Belden, Thomas Graham B.S., in Eng. 1948, The George Washington University Chassan, Jacob B. B.S. 1939, College of the City of New York Chatham, Marie A.B. 1948, The George Washington University Coplan, Robert Stanley A.B. 1948, Johns Hopkins University Davis, Cathryn Rigselman A.B. 1944, The George Washington University Davy, Earl Philip A.B. 1948, Yale University Festres, Simone Hélène A.B. 1948, The George Washington University Gobeen, Howard Warren A.B. 1947, Muhlenberg College	Va. Mich. N.Y. Va. Md. ty Fla. Conn. Belgium	Hazán, Solomon Jay A.B. 1947, Brooklyn College Holst, Arthur William A.B. 1947, University of Chattanoo Levander, Rena A.B. 1948, Swarthmore College Lopes, Frances Mary A.B. 1944, The George Washington University Mclurg, Laura Sherren A.B. 1926, University of Washington University Hillner, Elliott A.B. 1928, The George Washington University Putman, Margaret Ada A.B. 1933, Friends University Rubin, Joel B.S.S. 1943, College of the City of New York Schmid, Erwin B.S. 1934, Haverford College Sollins, Alfred D. A.B. 1945, The George Washington University	D.C. Kans. D.C. D.C. N.Y.
A.B. 1929, College of Wooster		A.B. 1941, Kalamazoo College F SCIENCE	Md.
No	VEMBER	11, 1948	
Bacchus, Habeeb British B.S. 1947. Howard University Clinkston, Philip B.S. 1943. University of Michigan	Guiana Mich.	Henry, Katherine Elizabeth A.B. 1947, University of Pennsylvan Long, Margaret Freas B.S. 1946, American University	Pa.
Fei	BRUARY	22, 1949	
Birnbaum, George A.B. 1941, Brooklyn College Fookson, Abraham B.S. 1947, College of the City of New York Gabriel, Henry B.S. 1934, Long Island University Johnson, Albert Sidney B.S. 1936, University of South Carolina	N.Y. N.Y. Md. Md.	Michini, Louis Joseph A.B. 1941, University of Delaware Milliken, Lewis Thurston A.B. 1944, Bowdoin College Otting, William Joseph, Jr. B.S. 1946, The George Washington University Rivera, Carmen Dolores B.S. 1947, University of Puerto Rico	Del. N.H. Md.
J	UNE I	1949	
Braun, Dean F. B.S. 1941, Bradley University Dailey, Robert Engle	III. W.Va.	Davison, Clarke B.S. 1948, The George Washington University	D.C.
B.S. 1948, The George Washington University		Freeman, Maran Virginia B.S. 1948. The George Washington University	Del.

Goldsmith, Herbert B.Ch.E. 1940, College of the City	N.Y.	Perroe, Theodore Peter B.S. 1946, The George Washington	D.C.
of New York Gottlieb, Marvin Irving A.B. 1947. New York University	N.Y.	Posner, Irene BS 1945. The George Washington	D.C.
BS. 1944. High Point College	N.C.	Schoeneman, Robert Lee B.S. 1947. The George Washington	Ind.
McLoughlin, Donald Keith B.S. 1948, The George Washington University	Mo.	University Seidman, Milton B.S. 1938, Johns Hopkins University	Va.
Morgan, Walter Clifford, Jr. B.S. 1946, University of Connections	Conn.	Sung, Chen-Yii B.S. 1941, Yenching University,	China
A B. 1942 Brooklyn College	N.Y.	Peiping, China Swell. Leon B.S. 1948, College of the City of	N.Y.
Park, Helen Dorothy B.S. 1946. The George Washington University	Va.	New York Uretsky, Martin Davis A.B. 1948. New York University	N.Y.

DIVISION OF UNIVERSITY STUDENTS

BACHELOR OF SCIENCE IN SECRETARIAL ADMINISTRATION

Hoover, Elizabeth Jane Pa. Kemp, Betty June Va.

FEBRUARY 22, 1949

Downs, Rhoda Thompson

Va.

JUNE 1, 1949 Geisel, Magdalen Ruth

Wis.

THE SCHOOL OF MEDICINE

DOCTOR OF MEDICINE

TUNE 1, 1040

	JUNE I	1949	
Atching I			01.
Baird, Glenn Dean	Va.	Cooper, William Hurlbert	Ohio
Band Philip Theories	DC.	AB 1946, Western Reserve Universit	Ly
Band, Philip Theodore		Cooperman, Bernard Robert	D.C.
A.B. toolog	D.C.	A.B. 1946, The George Washington	
1 yes, the George Washington		University	
Berkow Many		Crisp, William Earl, Jr.	Ohio
Berkow, Morton Donald	D.C.	Curtis, James Leroy	Wis.
College Franklin and Marshall		De Lashmutt, Robert Eugene	Ohio
Besaman		Ditzler, Marshall Ernest	Pa.
Bessman, Alice Neuman	N.J.	B.S. 1915, Lebanon Valley College	
A R distinction)	14.3.		Ind.
A.B. 1941. Smith College A.B. 1941. Sholom		Dixon, William Martin	Mich.
A R SHOLOM	D.	Droulard, Kenneth Farl	Conn.
Boteler, Marcia College	Pa.	Dunbar, Anne Cameron	Coun.
A B Marcia	20	AB 1942, The George Washington	
	D.C.	University	
Boyd Ti		A.M. 1944. Colorado College	Md
	***	English, Harold Medicin	Md
B.S. 1946, University of Oklahoma Chapman Patrick, Ir	III.	B.S. 1949. Wash rigton College	21.31
Burns, James Patrick, Jr.		Essman, Leonard Joseph	NY.
	D.C.	Foster, Robert Russell	(1).10
	DC.	Goddard, James Lee	Ohio
Cohen, June Ran	Utah	Greenlee, Robert Leonard	Ind
Cohen, June Rae		Hardy, William McClure	Wash.
B.S. (With distinction)	D.C.	BS 1945, University of Oregon	
B.S. 1945; The George Washington		Hashin, John Sarkise	Mass.
University Washington		BS 1947, University of New	
		Hampshire	

Haynes, Aubert Haynam Hines, Robert Haynam B.S. 1949, Mount Union College Howie, Donald Lynk Jenkins, Robert Lawrence, Jr. Kelser, George Archibald, Jr. B.S. 1946, Harvard University Kilpatrick, John Taylor B.S. 1945, University of Oklahoma Kiracofe, Arthur Hiram, Jr. A.B. 1943, Franklin and Marshall College A.M. 1945, Columbia University	Tenn. Ohio Mass. Pa. Md. Okla. Md.	Pollack, Jerome Lee B.S. 1945, Franklin and Marshall College Porter, Melvin A. Presto, Ernest Carl (With distinction) Robertson, John A. Shaheen, Michael Edmund B.S. 1938, Boston University Siggers, Richard Lawrence A.B. 1945, Columbia University Smith, James Anthony Solomon, Robert Joseph	D.C. Kana. N.Y. Calif. Miss. D.C. N.Y. Mich. D.C.
Lahti, Carl Robert Lane, John Goethe, Jr. Lash, Robert Frederick Law, Arthur Gregory	Mich. Fla. Ill. Va. Oreg.	Stout, Henry Wallace Tidler, Harold Stanley Tomlinson, William Barrington (With distinction)	Md. NJ.
Lee, Gilbert Stanley A.B. 1941, Stanford University Maclean, Marion Elizabeth B.S. 1944, The George Washington University	D.C.	Tway, Lawrence Edward Van Atta, Glen Benjamin, Sr. Van Gelderen, Bertha Elizabeth A.B. 1947, The George Washington	Ohio D.C.
Mahaney, Thomas Preston Michael, Arnold Hugh (With distinction) Michols, Raymond Martin	Mich. D.C. Wis.	University Wensel, Louise Oftedal A.B. 1939, Wellesley College Whitnack, John Doyle	Minn. D.C.
Miller, Ray Lambert B.S. 1936, Northwest Missouri State		Whyte, Ann A.B. 1946, The George Washington University	Jours
Teachers College Mossman, Paul Burrell A.B. 1945. University of Californis O'Leary-Matthews, Mary Jean	Calif. Md.	Williams, Gerald Albert (With distinction) B.S. 1945, South Dakota State College	Ala.
(With distinction) A.B. 1946, The George Washington University Pitner, Robert James B.S. 1949, Mississippi State College	Miss.	Wimberley, Mary Claire Baker A.B. 1944, University of Alabama Yetman, Thomas William Zitani, Alfred Marius, Jr.	R.I. N.J.

THE LAW SCHOOL

BACHELOR OF LAWS

	T	Couser, Christian Rewoldt	N.M.
Allen, Jonathan Harvey	Tes. D.C.	Cox, Lewis Calvin, Jr.	N.Y.
Altmann, Andrew Taylor	20.0	Craig, Alan Ward	D.C.
B.S. 1941, University of Maryland	Tex		Ga.
Bailey, William Alfred	Calif.	A.B. 1918, University of and	Gu.
Barber, John Raymond, Jr. A.B. 1941, Whitman College		Davis, Edwin Lanier	
Bedke, Herman Earl	Idaho	A.B. 1947, The George Washington	Colif.
B.S. 1941, University of Utah		University	_
Bennett, William Tapley, Jr.	Ga.	Dennemeyer, John James	III.
A.B. 1937, University of Georgia	-	Dennemeyer, John James Abitur, 1940, College of Luxembours	
Berger, Martin	Pa.	Derr, Charles Ivan A.B. 1039, Illinois Wesleyan	
Bernst, Louis Conrad	N.Y.	University	D.C.
Best, Crossett Mitchell	Ark.		Calif.
B.S. 1937. University of Alabama	Md.	B.S. 1932, University of Illinois	Cina
Bolhagen, Clifford Fred	111		
Brain, William Herbert	211	A.B. 1936, Pomona College A.M. 1938, University of Cincinnat A.M. 1938, University of Cincinnat	D.C.
B.S. 1944. University of Illinois Carriker, Guy Homer	Tex.		D
B.S. 1943, North Texas State		Dreos, George Calvin	
Teachers College		B.S. in Chem. Eng. 1993	D.C
Christenson, Cullen Yates	Utah	of Alabama Engelhardt, Charles William, Jr.	lows
Cohen, Ernest Samuel	N.Y.	Engelhardt, Charles Waller	Va-
B.C.E. 1917. College of the City of		Finder, Lee McLeish A.B. 1943, State University of Jowa A.B. 1943, State University of Jowa	An.
New York	2126	Gardner, Edith Rose of California	
Cortez, Ezekial Casimiro, Jr.	N.M.	Gardner, Edith Rose A B. 1949. University of California A B. 1949. University of California	
A.B. 1943, New Mexico College of		at Los Angeles	
Agriculture and Mechanic Arts		Hr spon and	

	7		
Dibbe, Richard DeArmond	D.C.	Nichols, Frank Dean	W.Va.
O.D. 1047 The Course Weshington		A.B. 1946, The George Washington	
			Ala.
A.B. 1946, The George Washington	N.Y.	Niehuss, Jacob Clark A.B. 1940, University of Alabama William	
A.B. 1946, The George Washington		Ostermann, Herbert William	Mich.
University large William Large	Mich.	B.S. 1944. University of Michigan Pennefeather, Joseph Edmond	21.17
agan, William Joseph Ph.B. 1942, University of Detroit	Bellen	Pennefeather, Joseph Edmond	N.Y.
antman, Alfred	N.Y.		34-1.
A.B. 1939, Brooklyn College leinish, Ned O.		A.B. 1943, Brooklyn College Robinson, Thomas Benton Rodgers, Philip Ray	Mont.
A P. Ned O.	W.Va.	Padage Philip Ray	Uzah
A.B. 1942, Marshall College lelstrom, Warren Richard	911	B.S. 1919, M.S. 1940, University of	
A.B. 1042 DePayer Ileinseles	III.		
A.B. 1943, DePauw University lolyfield, Thomas Kenn Cyllon	Miss.	Ph.D. 1047. American University Rosinski, Donald Carl	D.C.
A.B. 1941, Millsaps College	THE PARTY	Rosinski, Donald Carl	Ohio
THE PROPER ADILIONAL IN	D.C.	Shadowen, Cyrii Lugeni	Md.
		Shearin, Plummer Mustum B.S. 1936, Wake Forest College Shure, Gilbert Bernard Polytechnic	
		Share Gilbert Bernard	Va.
mlay, Carl Hudson	D.C.	B.S. 1934. Virginia Polytechnic	
A.B. 1946, Harvard University	221	Institute	
B.S. in M.E. 1943, University of	111.	a tot V Knowner	D.C.
Illinois 1943, University of		A.B. 1947, THE GOODS TO THE	
Cta, Frank Joseph to	Minn.	liniversity	Va.
A.B. 1943. University of Minnesota	242	Smith, Richard Robert	Mont.
Ingreen, Edna Marion	Iowa	Southmayd, LeRoy, Jr. Spivak, Richard Walter	Pa.
11. 1934. A.M. 1935. State		B.S. 1043, University of	
A.B. 1934. A.M. 1935, State University of Iowa		Pennsylvania	27.24
A.B. total Renneth	D.C.		N.Y.
A.B. 1942. Maryville College Juber, Shirley Natalie	D.C.	B.S. in Eng. 1935, Ch.E. 1936. College of the City of New York	
	900s and	College of the City of New 1 or k	Mass.
	al D.C.	Sudnik, Louis Frederick B.S. 1941, United States Coast Guar	d
Academy			
	erto Rico	Thomas, William Henry Baldwin	D.C.
p. '939, University of Paserto		Walkinshaw, Walter	Wash.
McTiernan Charles		A.B. 1939, University of Washington	n Md.
McTiernan, Charles Edward B.S. in E.E. 1941, University of	N.Y.	Weston, Glen Earl	angu.
Alabama 1941, University of		(With distinction)	
	Conn.	B.S. 1941, University of Many	Va.
B.S. 1943. Yale University	Coun.	AR 1018. Drake University	200
Miller, Joseph Sheldon	N.Y.	Willenbucher, Dorothy Elizabeth	Md.
AR Joan Marie	Md.	A.B. 1946, Swarthmore College	DC
Moon, Joseph Sheldon Moon, Joan Marie A.B. 1943, University of Maryland A.B. 1944, Yale University Newsome Cooper Newsome University		Wilson, Vernon Claude	D.C.
A.B. 1941, Yale University	Conn.	Wofford, William Tatum	
Newsome, George Marvin		Weston, Glen Earl (With distinction) B.S. 1941, University of Maryland Wild, Paul Joseph A.B. 1938, Drake University Willenbucher, Dorothy Elizabeth A.B. 1946, Swarthmore College Wilson, Vernon Claude Wosford, William Tatum B.S. 1942, Texas Agricultural and Mechanical College	
OCOLES WINLAND	Ga.	Mechanical College	
T.			
About it .	BRUARY	22, 1949	
Abendechein, Mary-Jane	Va.	Dauer, Maxwell	D.C
Ailes, Curtis, Jr.		A.B. 1935, M.S. 1937, New York	
B.E.E. 1941, Ohio State University	V = .	University	NI W
A.B. tour To	D.C.	Davey, William Francis	N.Y
A.B. 1947. The George Washington		D Unwood Athalone, II.	Va
		B.S. 1046, University of North	
A.B. 1944. University of Arisona Bamford, David Ellery Baker, Harold Fred	D.C.	Carolina	Md
Rahard David Ellery of Armone	70	Deck, William Horace	Med
Baker, Harold Fred Barnes, Frank Oakes Buchanan	Pa.	B.S. in B.A. 1942, University of	
D. Ges. Frank Oakes		Tennessee	Va
Buchanan I.	Va.	m	
B.S. in Maries Allison, Jr.	N.Y. Va. Md.	Embrey, Lemuel Jackson	
B.S. in M.E. 1944, Northwestern	Va. Md.	A.B. 1937, The George Washington	
B.S. in M.E. 1944, Northwestern	Md.	A.B. 1037, The George Washington	
B.S. in M.E. 1944. Northwestern	Md.	A.B. 1037, The George Washington	
B.S. in M.E. 1944. Northwestern University Bush, Donald Cochran Caldwell, Callis A.	Md. Pa. Utah	A.B. 1027, The George Washington University English, Thomas Young A.B. 1041. The George Washington	
B.S. in M.E. 1944. Northwestern University Buth. Donald Cochran Caldwell, Callis A. Campbell, William Robert B.S. in C.F.	Md.	A.B. 1027, The George Washington University English, Thomas Young A.B. 1041. The George Washington	Tens
B.S. in M.E. 1944, Northwestern	Md. Pa. Utah	A.B. 1032, The George Washington University English, Thomas Young A.B. 1041, The George Washington	Tens

Ferry, John Paul	Va.	McLendon, Sally Birdsall	Miss.
A.B. 1937, B.S. 1938, St. Joseph's		A.B. 1940, University of lows	Ohio
College Fields Orden Wilson	Calif.	McPherson, James Willis, Jr. Mitchell, George Day	Md.
Fields, Ogden Wilson A.B. 1913, University of California	-	B.S. 1934, Johns Hopkins University Murchison, David Claudius Nicolaides, Manuel Mike	50
A.B. 1933, University of California Fitzsimmons, James William	N.Y.	Murchison, David Claudius	D.C. Md.
B.M.E. 1943, Polytechnic Institute of		B.S. in B.A. 1943, University of	200
Brooklyn Fortney, Gordon	Va.	Maryland	350
A.B. 1932, University of Wisconsin Gardner, Spencer Delos Gaughan, John Vincent A.B. 1932, Villanova College	3.47.4	Payne, Ralph Lucian	N.Y.
Gardner, Spencer Delos	Mich. Va.	Pucci, Gerard Richard B.S. in M.E. 1944, Virginia	Ydea
A.B. 1932. Villanova College		Polytechnic Institute	Pa.
Gilfiz, Roy Hart	D.C.	Richwine, Francis Kost	
B.S. 1944, University of Maryland Glasgow, Norman Milton	Md.	B.S. 1941, Pennsylvania State College Rose, Charles Jules	W.Va.
B.S. 1943, University of Maryland		A.B. 1942, The George Washington	
B.S. 1943, University of Maryland Good, Charles Lloyd	Md.	University	N.Y.
B.S. in Ch.E. 1941, Purdue		Rowan, Eugene Francis B.S. 1045. University of Virginia	
Guerra, Alphonso Angel	Tex.	B.S. 1945, University of Virginia Ryan, Mary Delores	364
Hancock, John Cochrane A.B. 1943, Western Maryland College Harria, John Alfred B.S. 1946, University of Illinois	Md.	A.B. 1947, The George Washington	
A.B. 1943, Western Maryland College	D.C.	University Scott, David Alan	N.J.
B.S. 1946. University of Illinois	2-0-	A.B. 1018. Princeton University	
Harrison Haldon Roberts	Va.	A.M. 1946, Columbia University Semmes, John Gibson	D.C.
A.B. 1947. The George Washington		Semmes, John Gibson Smith, Dorr Newell	Maine
University Hart, Wilson Ritter	N.M.	A.B. 1947, The George Washington	
A.B. 1942, University of New Mexico		University	Fla.
A.B. 1942, University of New Mexico Heckman, Phyllis Lou	D.C.	Smith, Lawrence Sinclair A.B. 1939, University of Florida	ot to
Herring, Paul Littleton B.S. 1946, University of Maryland	2150.	A.B. 1930, University of Florida Stanley, Earl R.	Opio
Hill, George Richards	Pa.	B.S. in Ed. 1943, Kent State	
Hudgins, John Jefferson Hudson, Dugald Walker	Va. S.C.	University	Vs.
Hudson, Dugald Walker	0.6.	A.B. 1947. The George Washington	
A.B. 1940., Presbyterian College Kahn, Evans	N.Y.	University	p.C.
A R 1012 Vale University	3.6.1	Tarrant, William Theodore, Jr.	
Kardy, Leonard I homas	Md. Tex.	A.M. 1938, Stanford University	Va.
Keller, Phillips Brooks, Jr. A.B. 1947, University of Texas		A.B. 1938, Stanford University A.M. 1939, Tufts College Tillson, Paul Lambert	
Knight, Robert Whitney	Md.	B.S. 1938, M.S. 1939, Massachusetts Institute of Technology	
Knight, Robert Whitney Lasco, John, Jr.	Pa. Mo.	Timbie, Donald Mute	Mass.
Lay, Kenneth Swift	D.C.	B.S. in E.E. 1939, Massachusetts	
Levin, Joseph Litteral, Kelley	Md.	B.S. in E.E. 1939, Massachusetts Institute of Technology	N.Y.
A.B. 1046, Washington and Lee		Trabb, Ralph A.B. 1947, The George Washington	
University	Md.	University	Ala-
Long, George Edward Loos, Dickson Randall	Md.	Vance, William Frank	
A.B. 1945, Dartmouth College B.S. 1945, Yale University		(With distinction) A.B. 1941, Birmingham-Southern	
B.S. 1945, Yale University	Va.	College	Vs.
Luckett, Richard Samuel, Jr. A.B. 1942, Randolph-Macon College		VanMeter, William Garrett	Tenn.
Magurn, Joseph John	D.C.	Vorder Bruegge, Howard Joseph	NJ.
Magurn, Joseph John A.B. 1918, Harvard University Mason, William Ernest	TU.	Washington, James William A.B. 1046, Lafayette College	Conn
	W.Va.	Wheeler Mary Start	-
A.B. 1938, West Virginia University		A.B. 1016, Wellesley College	N.H.
McElroy, John Dale	Md.	Wong, Wing	
	UNE	1, 1949	Ps.
Abel, Leonard Leon	D.C.	Barackman, Bruce MacDonald	Va.
Abramowitz, Charles	N.Y.	A.B. 1939, Allegheny College Baynard, Ernest Cornish, Jr.	N.D.
A.B. 1948, The George Washington			
University Albright, Penrose Lucas	Kans	B.S. 1942, University of North	Calif.
Alvey, Ernest Brandon	Va.	Dakota Honey	Carr
Bakke, Norris Conroy, Jr.	Colo.	Berndtson, Arthur Henry B.S. 1940, United States Naval	
A.B. 1946, Colorado College		Academy	

			Va.
Biesemeier, Harold Woodall	D.C.	Gearheart, Ernest Theodore, Jr A.B. 1036. University of Richmond	12.
D.S. 1940, United States Naval		A.B. 1910, University of Richmond	Ill.
Black Him	D.C.	Gilmore, Frank Peter B.S. 1927, M.D. 1929, Loyola	A 011 ·
Black, Hiram Day	D.C.	University	
A.B. 1944, Yale University Block, William Edward, Jr.	N.D.	Goodpasture, Maurice Carroll	Tex.
Ph.B. 1947. University of North	24.00.	A B 1941, Texas Technological	
1781010		College	
Bollard, Isabelle Mary	X11.	Graham, Robert Albary	Tex
D.S. 1016 University of Tennesses		Hapeman, Lucy Ann	Nebr.
Dortmeit, Benjamin August	Md.	Hapeman, Lucy Ann AB 1946, University of Nebraska	
1941, The George Washington		Harris, Shirley	Va.
Beitein Burling	27.7	A.B. 1044. Wellesley College	01.
Brittin, Burdick Heinkel A.B. 1940, Union College	N.J.	Hirshberg, Robert Lowe	Ohio
Brown, Joseph Sessiond	Kans.	4.B. 1940, Obertin College	D.C.
A.B. 1947. University of Kanans	Mr. store,	Hodges, Raymond Lewis	D.C.
A.B. 1947, University of Kansas Browning, John Barnett	N.J.	B.S. 1941. University of Maryland	Md.
B.S. 1943, University of Alabama Campbell, Donald Alfred Campbell, Strouge, Jr. A.B. 1943, Duke University		Hoffman, Rubin College of the City	1010.
Campbell, Donald Alfred	Md.	B Ch.E. 1937. College of the City of New York	
Ampbell, Strouge, Jr.	D.C.	Maran Edward Eugene	N.Y.
A.B. 1941, Duke University Chaplinsky, Leo Eugene	-	Ph.B. 1931. M.D. 1936, Yale	
Ph R leavene	Pa.	University	
Ph.B. 1942. Dickinson College Choulas, James George Clark, William III Close, Marion Company	N.Y.	Howes, Charles Edward	Ohio
Clark, William III	N.T.	Huffman, William Ewart	Md
Close, Marion Campbell	N.C. N.Y.	Hoor William Fred	Tex.
Collins, Percy Henry Ir	Kans.	Hyer, William Fred (With distriction)	
Close, Marion Campbell Collins, Percy Henry, Jr. B.S. 1941, University of Kansas Dattel, Robert Herbert	2000000	B.S. 1042. Oklahoma Agricultural	
Dasteel, Robert Herbert	Calif.		
		Jacobs, Arthur Alfred	Md
Academy Academy		Jacobs, Arthur Alfred B.S. 1030. New York University	
Davis, Donnell Preston A.B. 1945. University of South	S.C.	Johnson, Charlotte Albertina	Minn
Carolina David South		B.B.A. 1932, University of Minnesota	9090
Davis, John Mason B.S. 1949 Hair		Keating, William Joseph	MA.
Dentz, Edwin Israelity of Illinois	111.	B.S. 1940, United States Naval	
Dentz, Edwin James Diston, Frank Frank	200	Academy	Va.
Diston, Frank Earl	D.C.	Keith, Deane Ellington B.S. 1043. University of Maryland	V 4.
	Wyo.	B.S. 1945. University of Itsary and	Va.
Dodge, Austin Phelps	Mo.	Kennedy, Joseph Bernard, Jr A.B. 1947, The George Washington	
B.S. 1944. Massachusetts Institute of Technology Dubiel, Joseph Michael	Md.	University	
of Technology		Keer David lav	Okla
Dubiel, Joseph Michael	Va.	Kerr. David Jay A.B. 1947. The George Washington	
B S 1938. University of New	¥=.	University	
Hampshire Duff, Alfred I		Kilbey, Katherine	Va.
	Pa.	A.B. 1927, Trinity College	
A.B. 1947. Pennsylvania State Colle Earnest, John Allen	80	King, Donald Kyle	DC.
B.S. John Allen	Ala.	A.B. 1948, The George Washington	
B.S. 1943, Alabama Polytechnic		University	9 *. 1
Carlich Research ve		Kuchler, Ralph Rudolph	Utah
A.B. 1946. The Cort	D.C.	A.B. 1048. The George Washington	
A.B. 1946, The George Washington		University	Md.
Edday, Inch Talday		LaHatte, James Albert, Jr.	
B.B.A. 1941, College of the Con-	N.Y.	B.S. in E.E. 1943, Georgia Institute of Technology	
B.B.A. 1941, College of the City Of New York Elliott, Ralph Fords 7-		Lamberton, Alfred James	N.H
Elliost, Ralph Earle, Jr.	III.	A.B. 1911. University of New	
Fach, Arthur Gerald	111.	Hampshire	
1940, United States Mauri		Langholz, Ernest Frederick	Tex.
Pahring I-1		A.B. 1948, The George Washington	
A.B. John William	Va.	University	
Fahrney, John William A.B. 1948, The George Washington Field, Lawrency		Leighton, Donald McCulloch	Nev.
Field, Lawrence Veni-		A.B. 1018. University of Nevada	5.0
BS. in Eng. total	Pa.	Levin, Jacob Solomon	D.C.
Field, Lawrence Irving B. in Eng. 1935, Ch.E. 1936, Coll of the City of New York Fisht, Peter Hergenbeimer B.S. 1931, Dyrad Variance	lege	Levine, Irving Abraham	DC
Brisht, Peter Hergeshair		Lukens, John Fritchle	Idaho
B.S. 1931, Drexel Institute of Tech	Va.	A B 1016. University of Idaho	2.5
Dollars and Amelican of Tack)-	Malthy, Wilson Ray	Va.
Odlysh Thead-	0	A.B. 1010, Milton College	
B.S. 1946, Villanova College	Cons.	A.M. 1951. University of Wisconsin	Maine
		Martin, Richard Alfred	Saturate.

330	-		
			Wit h
McAnear, Frank Ed	Ark,	Seed, Richard Warren	Wash.
A.B. 1945. The George Washington		B.S. 1944. California Institute of Technology	
University	Md.		D.C.
Miller, Homer Ralph, Jr.	Md.	Sheeskin, Jacob	Md.
Miller, James Robert Migandon, Joseph Wilmer	NJ.	Smith, Jesse Bond, Jr. A B 1042. University of Virginia	
Mirandon, Joseph Wilmer A.B. 1947, The George Washington	41101	A.B. 1943, University of Virginia Smolen, Joseph Sidney A.B. 1946, University of California	N.Y.
University		A.B. 1946, Univresity of California	
Montgomery, John William Myers	D.C.	at Los Angeles	
Montgomery, John William Myers B.S. 1940. United States Naval		Streinz, Clare Julia Sures, Charles Stanley A.B. 1947, The George Washington	Pa.
Academy		Sures, Charles Stanley	D.C.
Moore, George Carlton, Jr. A.B. 1941, University of Maryland Moran, Leon James	Md.	A.B. 1947. The George Washington	
A.B. 1941, University of Maryland		University	2.1
Moran, Leon James	Conn.	Taussig, Joseph Kneffer, Jr.	R.I.
Nielson Conaid Clarence	Mo.	B.S. 1941, United States Naval	
A.B. 1947, University of Kansas	3.6.1	Academy	Ohio
Nolte, Albert Charles, Jr.	Md.	Taylor, Thomas Hart	Out
B.S. in Eng. 1943, Princeton University		B.S. 1940, United States Naval Academy	
Pellerzi, Leo Maurice Francis	Md.	Tenny, Morgan Ledyard	Md.
Pfund, Charles Edward	Md.	A.B. 1947, University of Maryland	
B.S. in E.E. 1943. Iowa State	00000	Thompson, Lucius Fred	Ga.
College		Triviz, Edward Ernest	N.M.
Purdy, William Frederick, Jr.	N.Y.	A.B. 1942, New Mexico College of	
(With distinction)		Agriculture and Mechanic Arts	
M.E. 1017. Stevens Institute of		Washington, Fielding Lewis	Va.
Technology		Webb, Henry Gorham	N.C.
Technology Quesenberry, William Otis B.S. in C.E. 1943, Virginia Poly-	Va.	B.S. 1918, University of North	
B.S. in C.E. 1943, Virginia Poly-		Carolina	Cons.
technic Institute	D.C.	Webb, Richard William	Comme
Racoosin, Stanley Arnold Ralston, Lawrence Parker	Conn.	A.B. 1947. The George Washington	
A.B. 1030, Princeton University	Court.	University	Tex.
Rambo, Reginald Rodney	Pa.	Westfall, Ted B.	
B.S. 1933, M.S. 1934, University		B.S. 1940, University of Oklahoma	Va.
of Arizona		Wetmore, William Furches, Jr.	Nebr.
M.D. 1918. Harvard University		White, Irvin Albert	Nebr.
Randolph, Edgar Reed	Mass,	White, Ruth Baskin A.B. 1943, University of Pennsylvan	ia
A.B. 1946, Yale University	20.0	Wilkins, Elizabeth Ann	
Reynolds, Chester Forest	D.C.	Wood, Charles William	Pa.
Robbins, Charles Earl	La.	Wumbs Roy Paul	Va.
Ross, Harry, Jr. B.N.S. 1946, University of Notre	Miss.	Wymbs, Roy Paul B.S. 1943, University of Richmond	N.Y.
D.N.S. 1940, University of Notice		Vanna Olime Kmilm	0
Rousar, Edward Everett	Va.	A.B. 1020. A.M. 1930, University	of .
Ryan, John Wynne	N.Y.	Rochester	Pa.
A.B. 1942, Dartmouth College	04101	Zaid, Charles	I an
Schultz, John Hooker	Md.	A.B. 1933, Temple University	
John Steamer		11101 1221	
	Tunte	Doctor	
	JUKIS	DOCTOR	
-			
Fei	BRUAR	Y 22, 1949	
			D.C.
Bronaugh, Alfred Taylor	D.C.	Kempton, Lawrence R. B.E.E. 1940, Ohio State University	
B.S. in E.E. 1939, The George		B.E.E. 1940, Ohio State University	Va.
B.S. in E.E. 1939, The George Washington University		Schneider Homes James	
Browning, Paulus Powell, Jr.	D.C.	B.S. 1942. University of Wisconsin	
B.S. 1941, University of Pennsylvania	B		
	Y		
	JUNE	1, 1949	
B	0.00		111.
Bergren, Orville Vernon	Mich.	Cutler, Charles Russell	
B.S.C. 1940, University of North		B.S. 1945, California Institute of	
Dakota Brodehl Raymond Gilbert	DO	lechnology	Va-
BS in F.F. 1045 Jone State Colle	D.C.	Dent, Richard Judson	111.
B.S. in E.E. 1945, Iowa State Colle Collet, William Anderson	Mo.	Even, Francis Alphonse	
(With distinction)	SVS.O.	B.S. in M.E. 1942, University	
A.B. 1947, Westminster College		Illinois	

1769	1003	30%) = 77 = 11	
Friedman, Martin Leonard (With distinction) A.B. 1930, Rutgers University Gray, Louis Patrick III BS 1940. United States Naval	N.J. Tex.	Macaluso, Vincent Grondin A.B. 1947, Yale University Oliver, William Palmer, Jr. (With distinction) A.B. 1941, University of Missouri	N.Y. Mo.
Johnson, Olin Beeler	Mo.	Savage, William Alvin A B 1919, Stanford University	Calif.
A.B. 1944. Western Michigan College Kramer, Jerome Frank B.E.E. 1941. Ohio State University LeClaure, Charles Homer	()hio	Stevens, Wynne Allan, Jr. AB 1919, College of William and	Md.
	Mich.	Wess, Sidney BBA 1942, College of the City of New York	N.Y.
M.B.A. 1942, University of Michigan Lhamon, George Marion B.S. 1939, United States Naval Academy	Calif.	of New York	
MA	STER	OF LAWS	
	EMBER	11, 1948	
Boyko, Edgar Paul I.L.B. 1945. University of Maryland Dajeeda, Joseph	Md.	Hordes, Sanford I.I. B 1940. University of Maryland	N.J.
BS toseph	D.C.	Jones, Tilford A. 1.L B 1.48. The George Washington University	D.C.
Technology L. B. 1042. The George Washington University Diann, Francis Gill LLB, 1037, University of South Dakors	8.D.	Loveless, Ernest Alvin, Jr. A.B. 1945, University of Maryland LL.B. 1947, The George Washington	Md
Ely, Robert Burroughs A.B. 1920, Emory and Henry College LL.B. 1926, The George Washington University	Va.	University	
Bellis, Tom	RUARY	22, 1949	ren.
Tanalage, Southeast Missouri State	Mo.	Leney, Herber Carlton B.S. 1928, Oala' oma Agricultural and Mechanical College	Tex
J.D. 1948, The George Washington		Mechanical College LLB 1914, University of Oklahom McElroy, Virg. Marrice A B 1916, LL B 1938, University o	Kan
LL.B. 1934. University of Oklahoma	Tex. D.C.	Moreland, Allen Barwick B.S. in B.A. 1938, University of Florida	Fla
Dr. juris utr. 1911, University Erlangen Bayaria Cert head de Science Pénale 1913, Sorbonne, École de Orit, Paris		AM 1942, Harvard University	D.0
LI B loans Hopkins University	Md.	Owen, William Edison LL.B. 1948, The George Washington University	W
Horow, t., Herbert David LL.B. 1948. The George Washington University	Pa.	Pollo & Charles Frederick Pl B 1925, University of Wisconson Ll. B 1925, The George Washington University	n
Ato 1.	JUNE	1, 1949	
		Corcoran, Daniel James	M
Arn, Lauren Arden A.B., LL.B. 1940, Ohio State	()hio	Ll. B 1935 Washington University	
A.B., LL.B. 1940, Ohio State University Ashley, Robert David LL.B. 1948, Boston University Blum, Irwan Ellis B. 5, 1938, Brooklyn College J.D. 1938, The George Washington University	Mass,	LL B 1975 Washington University Dean, John Joseph AB 1941 LL B 1948, The George Washington University	N. 1

Duke, Norman Edward A.B. 1934, LL.B. 1935, University of Notre Dame Fausel, Walter Eugene B.S. 1939, Pennsylvania State College LL.B. 1948, Washington and Lee University Hunt, Leigh Hale A.B. 1028, LL.B. 1930, University of Illinois Kenner, Jack Linwood LL.B. 1941, University of Louisville Lyngby, Alfred Robert B.S. 1937, LL.B. 1940, University of Alabama Menter, Martin A.B. 1937, LL.B. 1939, Syracuse	Va. N.J. Va. Va. Fla.	A.B. 1941, College of William and Mary LL.B. 1948, The George Washington University Rohrer, Carl Peffer A.B. 1931, LL.B. 1933, The George Washington University Sharratt, George Stanley H., Jr. LL.B. 1936, University of Missouri Shryock, Raymond DeSouville A.B. 1936, LL.B. 1929, University of Pennsylvania	Va. Va. Va. Utah
University Negus, Raymond Anthony LL.B. 1948, The George Washington	Md.		Miss.
University Reed, Richard Carl A.B. 1939, J.D. 1941, University of Iowa	Iowa	Wilson, John Samuel Joseph A.B. 1936, LL.B. 1939, Fordham University	N.Y.

DOCTOR OF JURIDICAL SCIENCE

JUNE 1, 1949

Olverson, John Benjamin
B.S. 1947, American University
LL.B. 1939, LL.M. 1941, Georgetown
University
Dissertation: "The Clifford Regulations: A Trend Toward the Supremacy of the Administrative
Process" Va.

THE SCHOOL OF ENGINEERING

BACHELOR OF CIVIL ENGINEERING

NOVEMBER 11, 1948

Hennessy, Vincent Harry (With distinction)

Lichtenberg, Arthur Gilbert D.C.

N.Y.

FEBRUARY 22, 1949

			Va.
Blanchard, Donald David (With distinction) Cooke, Thomas Blacknall A.B. 1930, College of William and Mary A.B. 1937, The George Washington University	D.C.	Dudley, Robert Earl Sutherland, William Robert Wheeler, Ford William	Calif. Pa.

	JUNE	1, 1949
Allen, John Bolling (With distinction)	D.C.	Crossen, Gail Walden, Jr.
Appel, Charles Andrew III	DC.	Given, Roland
Ballowe, Glen Handy	Va.	Grufin, Charles William, Jr.
Bennett, Vercille Leonard	D.C.	Latta, Burr
Brown, Merrill Reynolds	Va.	McGoe, Hillia
Chambliss, Charles Edward III	Md.	Michael, Jerrold Mark
Cole Walter Harren Is	DC	Mow Ernest

Patch, Richard Lloyd Rendelbach, John Albert, Jr.	V'a	Schwob, Robert Dean Studies Heery Jean BS in Ac Eng. 1943, New York	NY.
A.B. 1040, University of North Carolina	N.C.	University Tate, Thomas Rouse, Jr.	Md

BACHELOR OF ELECTRICAL ENGINEERING

NOVEMBER II, 1948

	1404 Witten		21 27
Boggs, Gail Everett	D.C.	Kopp, Robert	N.Y.
Church, John	Md.	AB 1540, Brooklyn College Nobel, John Addiph	DC.
(With distinction) . Cooper, Earl Dana	Vz.	(With distinction) Nygard John Clarence	NY.
Fohrmann, Ernest Frederick	Va.	(With distinction)	Ps.
Grant, James Augustus	Ala.	Rubin, Sherwin	

FERRUARY 22, 1949

	~ -	300 0 0000		
Ansher, Norton Cannon, Walter Robert Huffman, Robert Ephraim		T) (Levine, Seymour Solon Mayo, Real Description Marcil, Byron, Batter	N.Y. D.C Fla.
Landers, Elmer Albert		Md.	Schaffert, lusten Clark Simas, Victor R.	D.C. Wvo.
Leslie, Lester		V=	Webb, Donald James	** , 0.

JUNE 1, 1949

	JUNE	1, 1949	
Ammon, Milton Henry	Pa.	Lee, Edward Min	D.C.
		The Tarris Latter	Pa
	Mass.	Luce, Charles Francis, Sr.	Md
Biloon, Robert Francis	D.C.	ne il a harb	11.
Brown 1 Prancis	Va.	Machlin, Arthur M. Girk, Donald Millard	Pa.
	Va	M Circa, Donas vimard	DC
	D.C.	Messels Henry Leonard	1.1.
Dallas, John Taylor	DC.	Meverson Herbert	N. Y.
	N.Y.	Morgan Edgar Donald	D'S
	Kans.	Macley, James C'eb ane, Jr.	
	Ohio	Mellins Flw and Hatcher	M!
	CALLO	Myers, Charles Frank	DC.
Flato, Matthew	241	Rappaport Naman David	DC.
	Md.	Salzberr Ca'r Davil	7. 1.
	SD.	Salabert, Carring	
Freeman, Lawrence Dudley Glens, Arthur James Governs	Mass.	(Wat! distinction)	NI
Gouman At lames	Calif.	Schach, Saul	111
Governas, Nacholas Peter	D.C.	Schofield, Graham	V.
		Shen at ! W ".am Edward	
BCF 1941. The George Washington	on	Shepherd, Join Henry, Jr	M
Heind The George Washingto	-	Smith, Lee Donald	Md
	Pa	Solomon Sidner	D.C.
	DC	Somers, Leavard	Mass
Katzman, Herman Julius		C. Maria	DC
	N. Y.	Stein, Morde at	DC
(With distinction)	hád.	Trotter, Bernard Flugene	1'3
aneither 100)		Via, Elmer Guy, Jr.	

BACHELOR OF MECHANICAL ENGINEERING

Cioffi, John Joseph Covilombe, Raymond Armond Falkenburg, Francis Clarence Games, William Findburg, Geyes, Wallage Thomas Giessner, John William (With distinction)	NY DC NJ. DC Md. DC.	Guerrant, William Samuel, Jr Hast ngs, Dw.ght Fellows Osborne, Ph. II. p. Wallace Polk, Matthew Steele (With distinction)	DC DC D.C.
distinction)		Sunday, Elmer George, Jr.	La.

The University Record

Allen, Thomas Keith Allison, William Butterworth A.B. 1940, Gettysburg College Braugh, Frank Charles Burnham, George Richmond Coffey, Francis Marion, Jr. Cruickshanks, Benjamin Carpenter, Jr. (With distinction) Czajkowski, Norman Downing, Merritt Eakin, Birch Hitt Ediridge, Richard Adams Everett, Ernest Edward Geist, John Henry Heiliczer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Juncal, Raymond Wright Kans. Lewis, Frederick Roland Va. Lippitt, Edward Gardner, Jr. Unipitt, Raymond Franklin D.C. Manville, Robert Wellensiek McCall, Lloyd Newell Conn. McCall, Lloyd Newell	360 The	Unive	rsity Record	
Clawson, Peter Carroll Hiz, Earnest Theodore Koche, Robert Charles Lee, Robert Levin, Alexander D.C. Richmond, Louis N.Y. Russell, Stanton Best D.C. Kistler, Wallace Grover, Jr. Levin, Alexander D.C. Kistler, Wallace Grover, Jr. Lewin, Frederick Roland Lippitt, Edward Gardner, Jr. Lewin, Frederick Roland Lippitt, Raymond Franklin D.C. Manville, Robert Wellensiek D.C. Rocan, McCall, Lloyd Newell V.V. Nichols, Harry Edwin V.V. Va. Corbaumh, Andrew Edward V. Va. Corbaumh, Andrew Edward V.V. Va. Corbaumh, Andrew Edward V. Va. Corbaumh, Andrew Edward V.V. Va. Corbaumh, Andrew Edward V. Va. C	Fi	PRETTARS	V 22 1040	
His, Earnest Theodore Koche, Robert Charles Lee, Robert Levin, Alexander N.Y. Russell, Stanton Best D.C. Kistler, Wallace Grover, Jr. Lewis, Frederick Roland Allien, Thomas Keith A.B. 1940, Gettysburg College Braugh, Frank Charles Burnham, George Richmond Coffey, Francis Marion, Jr. Cruickbanks, Benjamin Carpenter, Jr. (With distinction) Craikowski, Norman Downing, Merritt Eakin, Birch Hitt Eakin, Birch Hitt Eakin, Birch Hitt Eldridge, Richard Adams Everett, Ernest Edward Geist, John Henry Heiliczer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Juncal, Raymond Wright Keat, James Edmund Kemelhor, Robert Elias N.Y. Woodward, Kenneth Emerson Mass Bachelor Of Science in Engineers New Mass February 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent		_		DC
Koche, Robert Charles Lae, Robert D.C. Lae, Robert Lae, Wallace Grover, Jr. Lae, Lae, Lae, Lae, Lae, Lae, Lae, Lae,				
JUNE I, 1949 Aikman, Edward D.C. Kistler, Wallace Grover, Jr. Allen, Thomas Keith Kana. Lewis, Frederick Roland V. Lippitt, Edward Gardner, Jr. Lewis, Frederick Roland V. Lippitt, Edward Gardner, Jr. Lippitt, Raymond Franklin D.C. Manville, Robert Wellensiek D.C. Manville, Robert Wellensiek D.C. Manville, Robert Wellensiek D.C. Manville, Robert Wellensiek D.C. McCall, Lloyd Newell V. Mehlhope, John Frederick D.C. Nichola, Harry Edwin K. With distinction) Czajkowski, Norman D.C. Nichola, Harry Edwin Grebaugh, Andrew Edward Petrobono, Alfonso N. Mass D.C. Reddle, Victor Leon M.S. Shmitt, Page Marston M.S. Schmitt, Page Marston M.S. Schmitt, Page Marston M.S. Schmitt, Page Marston M.S. Schmitt, Page Marston M.S. Sinsabaugh, James Alexander N. J. Sinsabaugh, James Alexander N. J. Sinsabaugh, James Alexander D.C. Toal, Vincent James D.C. Toal, Vincent James D.C. Toal, Vincent James D.C. Toal, Vincent James D.C. November II, 1948 Altieri, John Lambert D.C. Zorzy, John D.C. February 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent		111.		
Aikman, Edward Allen, Thomas Keith Allen, Thomas Keith Allison, William Butterworth A.B. 1940, Gettysburg College Braugh, Frank Charles Burnham, George Richmond Coffey, Francis Marion, Jr. Cruickshanks, Benjamin Carpenter, Jr. (With distinction) Czajkowski, Norman Downing, Merritt Edkin, Birch Hitt D.C. Reddle, Victor Leon Eldridge, Richard Adams Geist, John Henry Heiliczer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Okla, Tinkelenberg, Albert David Juncal, Raymond Franklin D.C. Reddle, Victor Leon Va. Schmitt, Page Marston W. W. Schmitt, Page Marston W. Schmitt, James Alexander N. J. Sinsabaugh, James Alexander D.C. Toal, Vincent James N. J. Sinsabaugh, James Alexander D.C. Toal, Vincent James N. J. Sinsabaugh, James Bowen D.C. Toal, Vincent James N. V. Woodward, Kenneth Emerson BACHELOR OF SCIENCE IN ENGINEERING NOVEMBER 11, 1948 Altieri, John Lambert D.C. Zorzy, John D.C. FEBRUARY 22, 1949 Belcher, Philip George N. Y. O'Brien, Ralph Vincent				
Aikman, Edward Allen, Thomas Keith Kans. Allen, Thomas Keith Kans. Lewis. Frederick Roland Lippitt, Edward Gardner, Jr. Lewis. Frederick Roland Va. Lippitt, Edward Gardner, Jr. Lippitt, Raymond Franklin D.C. Manville, Robert Wellensiek D.C. Manville, Robert Wellensiek D.C. McCall, Lloyd Newell Va. Mehlhope, John Frederick M.C. Vickshanks, Benjamin Carpenter, Jr. (With distinction) Czajkowski, Norman Downing, Merritt D.C. Reidele, Victor Leon W.V. Czajkowski, Norman D.C. Reidele, Victor Leon Celdridge, Richard Adams D.C. Reitchie, Frederick Monks Mass Ceits, John Henry Va. Sinsabaugh, James Alexander Va. Sehmitt, Page Marston M. Sinsabaugh, James Alexander Va. Sinsabaugh, James Alexander N.J. Jensen, Earl Harriet Okla. Tinkelenberg, Albert David D.C. Toal, Vincent James N.Y. Woodward, Kenneth Emerson BACHELOR OF SCIENCE IN ENGINEERING NOVEMBER 11, 1948 Altieri, John Lambert D.C. Zorzy, John D.C. FEBRUARY 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent	Levin, Alexander	N.Y.	Russell, Stanton Best	D.C
Allen, Thomas Keith Allison, William Butterworth A.B. 1940, Gettysburg College Braugh, Frank Charles Burnham, George Richmond Coffey, Francis Marion, Jr. Cruicksbanks, Benjamin Carpenter, Jr. (With distinction) Crajkowski, Norman Downing, Merritt Eakin, Birch Hitt D.C. Reiddle, Victor Leon Eldridge, Richard Adams Everett, Erneat Edward Everett, Erneat Edward Everett, Erneat Edward Everett, Erneat Edward Hutto, Henry Elvin Jensen, Earl Harriet Jokan, Richardet D.C. Toal, Vincent James Bachelor Of Science in Engineering November 11, 1948 Altieri, John Lambert D.C. February 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent		JUNE	1, 1949	
Allison, William Butterworth A.B. 1940. Gettysburg College Baugh, Frank Charles Burnham, George Richmond Coffey, Francis Marion, Jr. Cruickthanks, Benjamin Carpenter, Jr. Md. Cruickthanks, Benjamin Carpenter, Jr. Cruickthanks, Benjamin Carpenter, Jr. Md. Cruickthanks, Benjamin Carpenter, Jr. Cruickthanks, Benjamin Carpenter, Jr. Cruickthanks, Benjamin Carpenter, Jr. Md. Downing, Merritt Eakin, Birch Hitt D.C. Eldridge, Richard Adams Everett, Ernest Edward Everett, Ernest Edward Va. Ceist, John Henry Va. Heiliczer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Juncal, Raymond Wright Ceat, Jamen Edmund Keent, Jamen Edmund Keent, Jamen Edmund Keent, John Lambert D.C. Corp., John D.C. Toal, Vincent James D.C. Toal,				D.C.
A.B. 1940. Gettysburg College Braugh, Frank Charles Braugh, Frank Charles Braugh, Frank Charles Burnham, George Richmond Coffey, Francis Marion, Jr. Cruickshanks, Benjamin Carpenter, Jr. (With distinction) Crajkowski, Norman Downing, Merritt Eakin, Birch Hitt Eakin, Birch Hitt Eakin, Birch Hitt Everett, Ernest Edward Ceist, John Henry Heiliczer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Jouncal, Raymond Franklin D.C. Ritchie, Frederick D.C. Ritchie, Frederick MMass Ceist, John Henry N.J. Schmitt, Page Marston Welliczer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Jouncal, Raymond Wright N.Y. Warlick, James Bowen D.C. November 11, 1948 Altieri, John Lambert D.C. Zorzy, John Mass Craig, Dwin Richardson Mass Mars Mass Altieri, John Lambert D.C. Zorzy, John Mass Craig, Dwin Richardson Mass Mass Mass Mass Mass Mass Mass Ma				W Va.
Braugh, Frank Charles Burnham, George Richmond Coffey, Francis Marion, Jr. Cruickshanks, Benjamin Carpenter, Jr. (With distinction) Czajkowski, Norman Downing, Merritt Eakin, Birch Hitt D.C. Reddle, Victor Leon Eddridge, Richard Adams Everett, Ernest Edward Geist, John Henry Heiliczer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Uncal, Raymond Wright Keat, James Edmund Kemelhor, Robert Elias D.C. Manville, Robert Wellensiek D.C. Nichole, Harry Edwin Orebaugh, Andrew Edward W.V. Ouill, John James Mass Calk, Victor Leon V. Reddle, Victor Leon V. Ritchie, Frederick Monks M. Schmitt, Page Marston M. Sinsabaugh, James Alexander V. Surine, Robert Travis D.C. Toal, Vincent James D.C. Toal, Vincent James Remelhor, Robert Elias N.Y. Woodward, Kenneth Emerson BACHELOR OF SCIENCE IN ENGINEERING NOVEMBER 11, 1948 Altieri, John Lambert D.C. Zorzy, John D.C. FERRUARY 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent	A.B. 1040. Gettysburg College	VA.	Lippitt, Edward Gardner, Jr.	D.C.
Burnham, George Richmond Coffey, Francis Marion, Jr. Cruickshanks, Benjamin Carpenter, Jr. (With distinction) Cajkowski, Norman Downing, Merritt Eakin, Birch Hitt D.C. Eddridge, Richard Adams Everett, Ernest Edward Geist, John Henry Heiliczer, Joseph Heiliczer, Joseph John Henry Heiliczer, Joseph John Herry Heiliczer, Joseph John Herry Heiliczer, Joseph John Herry John Hansen John Hansen John Henry John Hansen John Henry John Herry John Henry John Hen	Braugh, Frank Charles	D.C.		D.C.
Cruickshanks, Benjamin Carpenter, Jr. (With distinction) Cajkowski, Norman Downing, Merritt Eakin, Birch Hitt Eldridge, Richard Adams Everett, Ernest Edward Geist, John Henry Heiliczer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Juncal, Raymond Wright Luncal, Raymond Wright Keat, James Edmund Kemelhor, Robert Elias November 11, 1948 Altieri, John Lambert Craig, Dwin Richardson February 22, 1949 Mc. Nichols, Harry Edwin Orebaugh, Andrew Edward W V Oreal Selevet Edward W V Orebaugh, Andrew Edward W V Orebaugh, Andrew Edward W V Orebaugh, Andrew Edward W V Oull, John James Mass Schmitt, Page Marston M Mass Const. James Alexander D Orebaugh, Andrew Edward W V Oull, John James Mass Const. James Bowen D Orebaugh, Andrew Edward W V Oull, John James Mass Const. James Bowen D Orebaugh, Andrew Edward W V Oull, John James Mass Const. James Bowen D Orebaugh, Andrew Edward W V Oull, John James Mass Const. James Bowen D Orebaugh, Andrew Edward W V Oull, John James Mass Const. James Bowen D Orebaugh, Andrew Edward W V Oull, John James Mass Const. James Bowen D Orebaugh, Andrew Edward W V Oull, John James Mass Const. James Bowen D Orebaugh, Andrew Edward W V Oull, John James Mass Const. James Bowen D Orebaugh, Andrew Edward W V Oull, John James Mass Const. James Bowen D Orebaugh, James Bowen D Orebaugh, James Bowen D Orebaugh, Andrew Edward D Orebaugh, Andrew Edward W V Oull, John James Mass Const. James Bowen D Orebaugh, Andrew Edward W V Oull, John James Mass Const.				Va.
Czajkowski, Norman Downing, Merritt Eakin, Birch Hitt Eakin, Birch Hitt Eakin, Birch Hitt Edridge, Richard Adams Everett, Ernest Edward Geist, John Henry Heiliczer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Jones, Tosal, Vincent James Jones, Earl Harriet Jones, Earl Harriet Jones, Earl Harriet Jones, Earl Harriet Jones, Tosal, Vincent James Jones, Tosal, Vincent James Jones, Control of the Control of th				
Czajkowski, Norman Downing, Merritt Locatin, Birch Hitt D.C. Reddle, Victor Leon Va. Ouill, John James Va. Ouill, John James Va. Chitchie, Frederick Monks Westerett, Ernest Edward Geist, John Henry Va. Schmitt, Page Marston Va. Schmitt, Page Marston M. Sinsabaugh, James Alexander Va. Schmitt, Page Marston Va. Sinsabaugh, James Alexander Va. Sinsabaugh, James Alexander Va. Sinsabaugh, James Alexander Va. Sinsabaugh, James Alexander Va. Schmitt, Page Marston Va. Schmitt, Page Marston M. Sinsabaugh, James Alexander Va. Schmitt, Page Marston Va. Schmitt, Page Marston M. Sinsabaugh, James Alexander Va. Schmitt, Page Marston Va. Schmitt, Page Marston M. Sinsabaugh, James Alexander Va. Schmitt, Page Marston M. Sinsabaugh, James Alexander Va. Schmitt, Page Marston Va. Schmitt, Page Marston M. Schmitt, Page Marston M. Sinsabaugh, James Alexander Va. Schmitt, Page Marston M. Schmitt, Page Marston M. Schmitt, Page Marston M. M. Schmitt, Page Marston M. Marston M. Sinsabaugh, James Alexander Va. Schmitt, Page Marston M. M. M. Schmitt, Page Marston M. M	(With distinction)	D.C.		
Downing, Merritt Eakin, Birch Hitt D.C. Eakin, Birch Hitt D.C. Reddle, Victor Leon V. Ritchie, Frederick Monks W. Schmitt, Page Marston V. V. V. V. Schmitt, Page Marston V.		Md.		NY.
Earth, Birch Hitt Eddridge, Richard Adams Everett, Erneat Edward Geist, John Henry Heilizer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Juncal, Raymond Wright Keat, James Edmund Kemelhor, Robert Elias Bachelor of Science in Engineering November 11, 1948 Altieri, John Lambert Craig, Dwin Richardson Belcher, Philip George N.Y. Neddle, Victor Leon N. Reddle, Victor Leon N. Reddle, Victor Leon N. Ritchie, Freedrick Monks Schmitt, Page Marston M. M. Schmitt, John Lambert Marston M. M. Schmitt, Page Marston M.	Downing, Merritt	Va.		Mass.
Editing, Richard Adams Everett, Erneat Edward Geist, John Henry Heiliczer, Joseph Hutto, Henry Elvin Jensen, Earl Harriet Juncal, Raymond Wright Keat, James Edmund Kemelhor, Robert Elias D.C. Toal, Vincent James D.C. Toal, Vincent James D.C. Woodward, Kenneth Emerson BACHELOR OF SCIENCE IN ENGINEERING NOVEMBER 11, 1948 Altieri, John Lambert D.C. Zorzy, John D.C. Torzy, John D.C. Jorzy, John Mass FERRUARY 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent	Eakin, Birch Hitt	D.C.		\'a
Geist, John Henry Heiliczer, Joseph N.J. Sinsabaugh, James Alexander Pla, Surine, Robert Travis Pla, Sinsabaugh, James Alexander Pla, Surine, Robert Travis	Eldridge, Kichard Adams			Md
Heiliczer, Joseph Hutto, Henry Elvin Jenem, Earl Harriet Juncal, Raymond Wright Luncal, Raymond Wright Keat, James Edmund Kemelhor, Robert Elias BACHELOR OF SCIENCE IN ENGINEERING NOVEMBER 11, 1948 Altieri, John Lambert Craig, Dwin Richardson FEBRUARY 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent		Va.		
Hutto, Henry Elvin Jensen, Earl Harriet Juncal, Raymond Wright Keat, James Edmund Kemelhor, Robert Elias BACHELOR OF SCIENCE IN ENGINEERING NOVEMBER 11, 1948 Altieri, John Lambert Craig, Dwin Richardson FERRUARY 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent		N.I.		
Bachelor of Science in Engineering November 11, 1948 Altieri, John Lambert Craig, Dwin Richardson D.C. Zorzy, John D.C. Zorzy, John D.C. Zorzy, John D.C. Zorzy, John D.C. Washieri, John Lambert D.C. Zorzy, John D.C. Washieri, John Lambert D.C. Zorzy, John D.C. Washieri, John Lambert D.C. Zorzy, John Mass Feruary 22, 1949 Mc. Washieri, John Lambert D.C. Zorzy, John Mass Mass D.C. Zorzy, John Mass D.C. Zorz	Hutto, Henry Elvin	Fla.		DC.
Keat, James Edmund Kemelhor, Robert Elias BACHELOR OF SCIENCE IN ENGINEERING NOVEMBER 11, 1948 Altieri, John Lambert Craig, Dwin Richardson D.C. FERRUARY 22, 1949 Mds Melcher, Philip George N.Y. O'Brien, Ralph Vincent	Jensen, Earl Harriet			D.C.
BACHELOR OF SCIENCE IN ENGINEERING NOVEMBER 11, 1948 Altieri, John Lambert Craig, Dwin Richardson FERRUARY 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent	Juncal, Kaymond Wright	D.C.		DC.
NOVEMBER 11, 1948 Altieri, John Lambert D.C. Zorzy, John Mast Craig, Dwin Richardson D.C. FERUARY 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent		N.Y.		DC.
Altieri, John Lambert D.C. Zorzy, John Mass Craig, Dwin Richardson D.C. FEBRUARY 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent	BACHELOR OF	SCIEN	CE IN ENGINEERING	
Altieri, John Lambert D.C. Zorzy, John Mass Craig, Dwin Richardson D.C. FEBRUARY 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent	No	VEMBE	11, 1948	
Craig, Dwin-Richardson D.C. FEBRUARY 22, 1949 Belcher, Philip George N.Y. O'Brien, Ralph Vincent				Mass.
Belcher, Philip George N.Y. O'Brien, Ralph Vincent				
Beicher, Philip George N.Y. O'Brien, Ralph Vincent	FE	BRUARY	22, 1949	
Colden Leaneld M. F. W. Li. L. William Market			O'Brien, Ralph Vincent	Md.
N.J. Wroblicks, William	Golden, Leopold	N.J.	Wroblicka, William	Witness.
June 1, 1949		JUNE 1	1, 1949	
D.C.				D.C.
Cullen, Frank Haywood Va. McMann, Robert Case	Cullen, Frank Haywood	Va.		Va III.
Freeman, William Clarence, Jr. N.Y Taphorn, Joseph Bernard	reeman, William Clarence, Jr.	N.Y.	Taphorn, Joseph Bernard	9 341.
Friedman, Seymour Jack N.Y. B.S. 1943, University of Illinois N.Y.	riedman, Seymour Jack	N.Y.	B.S. 1943, University of Illinois	N.Y.
Haskell, James K. Calif. Weiss, Marvin David	taskett, james R.	Calif.	Weiss, Marvin David	
THE SCHOOL OF PHARMACY	THE SCI	HOOL O	OF PHARMACY	

THE SCHOOL OF PHARMACY

BACHELOR OF SCIENCE IN PHARMACY

NOVEMBER 11, 1948

Kleinselder, James Jesse

Va.

FEBRUARY 22, 1949

Lippmann, Morton Nelson, Edward Monroe, Jr. (With distinction)

N.Y. Rubin, Samuel Benjamin W.Va.

D.C.

JUNE 1, 1949

Batease, John Charles Brown, Harold Kent Campbell, Louis Cellars, Jr. Davis, George Alfred, Jr. Dinneen, Margaret Catherine Goldstein, Jack Hansen, Herbert Orville Hawthorne, Charles Byrd Howison, Jrene Santz Jacobe, William Henry Keller, Arvilla M. Levinson, Monroe Joseph Lichtenstein, Harold Litten, Albert	Md. D.C. Va Md Minn. N.J. D.C. Va. D.C. Pa Pa. D.C. N.Y. D.C. D.C.	McFall, Bryan Campbell Miner, Richard Leo Paidakovich, Matthew Joseph Palder, Edward Lawrence Pruce, Alfred Albert Robicheau, Dorothy Cecilia Rossa, Rabest Vincent Rotz Carl Frederick Scheffen, Richard Edward Schleiften, Richard Edward Schleiften, Rachmell Somman Henry Dick Waganheim, Zelink Whitley, Clyde Efird Wolfe, Charles Randolph (Secula honors in Pharmacy)	D.C. Md. Pa. D.C. Md. Md. N.Y. Pa. D.C. Va. D.C. D.C. D.C. Va.
Litman, Albert Martin, Paul Calvin	D.C Pa	(Special honors in Pharmacy)	

THE SCHOOL OF EDUCATION

BACHELOR OF SCIENCE IN HOME ECONOMICS

Brown, Virginia Geraldine	November D.C.	11, 1948 Mappus, Marie Hamm	D.C.
Forbes, Ann Katherine A.B. 1944. Trinity College	FEBRUARY D.C.	22, 1949 Higgins, Oma Hilliard Hughes, Edna Cornelia	Tenn.
Enriquez, Jean Gordon Evans, Madie Elizabeth Feldman, Grace Rae Frohman, Mary Satterlee	JUNE 1 Va. Ark. D.C. D.C.	Groves, Nancy Alice (With distinction) Ramsdell, Ruth Ann	D.C. Va.

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

Creme, Anthony Rido Garnett, Carroll Marion	November N.Y Va	II. 1948 Kley, Frank Carl, Jr.	Ma.
	FEBRUARY	22, 1949	

Brannon, Joan Virginia	D.C. Jacobs, James Wriley	Md
Arnold, Mary Ann Chronis, Alexander Evry, Allen Fenion, Raymond Henry Haithcock, Maynard Kitchin Hartman, Robert Warner Hinckley, William Russell Kephart, Calva	Va. Lawlor, Patricia Mary Pa. Lee, Lily Kwai Keui D.C Pope, Patricia Evelyn Mich. N.C Robinson, Robert Strother Idaho Va. Schulman. Sidney Va. Stering, Gisela	Wash Hawat D C Va D C D C

BACHELOR OF ARTS AND MASTER OF ARTS IN EDUCATION

(Five-Year Program)

NOVEMBER 11, 1948

O'Reilly, Marjorie Helen Md. (With distinction—Special honors in Education)

JUNE 1, 1949

Hensley, Guy Stephen D.C A.B. 1936, University of Oklahoma

BACHELOR OF ARTS IN EDUCATION

NOVEMBER 11, 1948

Carpenter, Caleb Fred Coffman, Clara Lillian Coppa, Julia Anne Crovo, Patricia Ann Grogan, John Barry Hahn, David Emanuel	Okla. Va. Va. Md. Va. W.Va.	Lawrie, Ruth Myrtle Elizabeth Lillard, Kathleen Flester Perlo, Hyman Myer Pick, Lula Maxine Robbins, Edward Morris	Ohio Va. D.C. W.Va. D.C.
--	--	--	--------------------------------------

FEBRUARY 22, 1949

Dugdale, Donna Elizabeth	Ind.	Layos, Joseph Kenneth	N.Y.
Ebert, Henrietta Randolph Wirt	Va.	Ludka, Chester Edward	

	JUNE 1	, 1949	
Allman, William Dominic, Jr. (With distinction) Ball, Kenneth, Ir Barbour, Mary Jane Capian, Dosethy Hulda Herkman, Dosethy Anita Jordan, Rena Claue Maymi, Protasio M. Lelaun, Samuel O'Loughlin, Frank Xavier	D.C. W.Va. Va. D.C. N.D. Miss. Puerto Rico N.Y. Pa.	Pleacher, John King Ray, Laurence Victor, Jr. Russo, Mary, Amelya Orton Shelly, Herbert Hunter Sisten, Ann Helen Spitalnes, Claite Toby Waugh, Carolyn Lydia Whaley, Mary Virginia Yurman, Alvin Irving	Pa- Va. Va. D.C. D.C. Maine W.Va. N.Y.

MASTER OF ARTS IN EDUCATION

14041	BNIBBA	11, 1940	0.7.
Alsbaugh, Jack Russell	Mo.	Boylan, Mary Agnes	Va.
B.S. in Ed. 1916, A.B. 1917, Northwest		A.B. 1939, University of Minnesota	Vs.
Missouri State Teachers College		Christia Thomas Hervie	
Allen, Sylvia Dunnavant	Va.	B.S. 1020. William and Mary College	Va.
B.S. 1940, State Teachers College,			
Farmville, Va		B.S. in P.E. 1010. The George Wash	
Arvidson, Dorothy Ruth	Ind.	ington University	Va.
B.S. in H.E. 1942, Purdue University		Dixon, Kenneth Fife	
Berkowitz, Leon	D.C.	A.B. 1945. The George Washington	4.1
A.B. in Ed. 1934, University of		University	Md.
Pennsylvania		Dowling, Nellie Frances	- 03
Besdine, Lillian	N.Y.	B.S. 1931. Columbia University	Md.
A.B. 1929, Hunter College		Durbin, Jean Lolgren	
Boehlert, Rosemary	D.C.	B.S. 1943. University of Pittsburgh	Md.
A.B. 1939, The George Washington		English, Harry Cole	- 6
University Bortz, Ellen Laubscher	D. C.		D.C.
	D.C.	Flood, Thomas Hayes	
B.S. in Ed. 1945. Wilson Teachers		B.S. in Ed. 1016. New York State	
Contege		Teachers College, Buffalo	

Degi	rees C	onjerrea	
			N.C.
Friauf, Helen Cox	Va.	Piercy, Weeta Paige BS. 1918, Wilson Teachers College	14.00
A.B. 1947. The George Washington		Domine Flate Markaret	Iowa
Frischmann Donald William	Va.		Md.
Frischmann, Donald William B.S. in Ed. 1042. State Teachers College, Indiana, Pa.		Ray. Claude Madison A.B. 1912. Washington and Lee	-
College, Indiana, Pa.	Md.		Md.
Godey, Katherine McBrien A.B 1928, University of Chattanooga	Maria.		MO.
Oreen, Walter Irving	DC.	Roberts, Charles Gilbert, Fr. BS. 1914. Spransfield College Rutherford, Palmer St. Clair RS. 1920. Reanoke College Saltzer, Jay Blaine RS. in Ed. 1917. State Teachers	Va.
A D 1017 Conversity of Maine	9.1	RS 1926, Roanoke College	Pa.
Hoxton, Archibald Robinson	Va.	Saltzer, Jay Blaine State Teachers	Fa.
AB. 1939, Yale University Kadri, Mohamed Said	DC.	College Bloomsburg, Pa.	
A.D 1929, Found I University, Cairo.		Channel Malliam	N.Y.
	N.Y.	D 2 3. 1982; Comple	
Layhee, Harold Franklin A.B. 1948. The George Washington	20.8.	New York Evelyn I M. Donald	lowa
		Simmons, Evelyn J. M. Donald A.B. 1947. The George Washington	
Trank Hadeea	Md.	University	D.C.
	Va.	Walker, Helen Ruth BS 1735, Wilson Teachers College	
Lincoln, Judson Duley AB 1941, University of Maryland Lopez, Leo William	6 4.	Wampler, Frederick Francis	Va.
Lopez, Leo William AB 1937, St Mary's University of San Antonio	Ter		N.C.
San Antonio		Waters, William Ionas Sr. BS 1911, Appalachian State Teacher	8
Mercer, Hallie Wall Mahala	Tex.		
		soo so yy 11 Francisco	Va.
College		BS 1911, Randolph-Macon College Willett, Lawrence Edgar	DC
M S. 1942, East Texas State Teacher	8	BS in Ed 1945. University of	
Willer, Betty Maria	D.C.		Va.
		Winco, Lydia Hilldrep B S 1941 Mary Washington College	VA.
Palmer Gladus Edit	Va.	BS 1041 Allin Wilson	Va.
	¥ 2.	BS in Ed. 1941, University of	
University		Vincinia	Pa.
Pecke, Raymond Greer A.B. 1917, Park College	Mich.	Yohn, Edna Mae A.B. 1935, Juniata College	
A Salva Correlate		A.B. 19331 7	
FEI	BRUAR	Y 22, 1949	
Agusiewicz, Henry Anthony B.S. 1947. The George Washington University Apodaca, Anacleto Garcia	Pa.	Gutierrez del Rio, Blanca M. Puert	o Rico
University The George Washington		A B 1911, Un versity of Puerto Ric	
Apodaca, Anacleto Garcia	-	Kerwan, Thomas John BS in Ed 1940. Pennsylvania Sta	te
5.3. 1940 You Me C 11	Tex.	Teachers College, Mansheld	
Carrillo Maria Mechanic Arts		Tonn John Carl	SD.
A B town thanuela Pue	rto Rico	A B 1016 State Teachers College, Valley City, D.	
Clark, Ornha Anniversity of Puerto Ri	00		
BS. 1641 I	Md	B S in Fig 1941, west, waster	n
Coleman, Juliette Cox	D.C.	College	DC
	er C.	Rich, Itene Silverman B S 104c. Wilson Teachers College Ruddy, Alice Marie	-
Dawson, Edward Balloch A.B. 1016 Paris	D.C.	Ruddy, Alice Marie	D.C
A.B. 1936, Princeton University		B.S. 1940, Marywood College	
Ana	JUNE	1, 1949	
Allegri, Theodore Hanni	20.00		D.C
Allegri, Theodore Henri A.B. 1047. The George Washington University Atkin	N.Y.	A.B. 1916. Lenour Rhyne College	
Atking T. S. Atkin		Commenter (alab Pred	Okla
B.S. 1940 Night, Jr		A B 1948. The George Washington	n.
of Agricultural Carolina State Co	llege	University Conn. Gilbert De Voe	Mo
Deck Hale as a suffilled the		BS in P. 1914. The George	
B.S. 1099 11-			
	D.C	Washington University	NV
BS. Alice Robrer		Washington University	N.Y
Bolton, Alice Robrer B.S. 1932, Madison College	Va Va	Cook, James Manning	N.Y

Eareckson, Ruth Brown	Va.	Munchmeyer, Charlotte	V
B.S. 1013. Wilson Teachers College		B.S. 1942. Wilson Teachers College	40-01
Giancaspro, John	N.Y.	Paddock, Marianna	11
B.S.S. 1942, College of the City of		A.B. 1913. University of Michigan	
New York		Parker, Louise Buell	N.Y
Gnatt, Solomon	D.C.	Ed.B. 1947, Pottsdam State Teachers	
B.S. 1947. Wilson Teachers College		College	
Grogan, Charles Henry	Va.	Phillips, Virginia Clay	Me
B.S. 1941, The George Washington		B.S. 1018. Kirksville State Teachers	
University		College	
Harris, Georgia Dieterich	Va.	Retzlaff, Bernice Ruth	Nobi
A.B. 1012. Culver-Stockton College		B.S. in Ed. 1945, University of	
Hart, Robert Norton	D.C.	Nebraska	
B.S. 1941, Wilson Teachers College		Richardson, George William	D.C
Hopper, Katherine Edmondson	Va.	B.S. 1941, The George Washington	
B.S. 1930, Mary Washington College		University	
Kern, Jeanette Geschickter	DC.	Robbins, Edward Morris	Mo
A.B. 1912, The George Washington		A.B. 1948. The George Washington	
University		University	
Kessel, Roy Franklin	W.Va.	Runyan, Robert Laymon	D.C
AB 1940, Fairmont State College		BS 1910 College of Wooster	
King, Reta Marie	Pa.	Short, Mildred Hollander	D.C
AB 1935, West Virginia Wesleyan		B S. 1948, Wilson Teachers College	
College			D.C
Layos, Joseph Kenneth	Va.	Smith, Mary Gertrude	
A B. 1949. The George Washington		A B 1932. The George Washington University	. 66
University			N.Y
Mackiernan, Darrell Enthia	D.C.	Tompkins, Virgil Everett B S 1942, State College for Teachers,	
A.B. 1914. University of Maine	0.0	Albania N. V	
McClintock, Isabelle Dorland	D.C.	Albany, N. Y.	1/3
AB 1942, Florida State University	2.0	Wagner, Richard	
Moorhead, Joseph William	Va.	B S 1927, United States Naval	- 01
A.B. 1948, American University	-	Academy	N.Y
Moss, Helmi Amanda Holmlund	D.C.	Welch, Elizabeth Churchill	
B.S. 1933, Framingham State Teache	FB	A.B. 1945, The George Washington	
College		University	

DOCTOR OF EDUCATION

NOVEMBER 11, 1948

111.

Root, Blake Smith
B.S. 1927. Monmouth College
A.M. 1933. University of Illinois
Dissertation: "The Induction of New
Teachers"

Rufiner, Ralph Windsor

A B. 1016. University of Maryland

A M. 1940. The George Washington
University
Dissertation: "The Evaluation of an
Inservice Training Program, with
Special Reference to the Training
Program for Service School Officers,
United States Navy"

June 1, 1949

Brougher, John Frederick Va.
A.B. 1026, A.M. 1929, Columbia
University
Dissertation: "The Program of the
Occupational Information and Guidance Service. United States Office
of Education, 1938-1948"

SCHOOL OF GOVERNMENT

BACHELOR OF ARTS IN GOVERNMENT

NOVEMBER 11, 1948

Adama, Richard Hugh
Aiken, Bernard
Aiken, John Howard

N.C. Alvord, Charles Hulbert, Jr.
Md. Baggs, Isabel Jane
D.C. Barton, William Jacob, Jr.

W Va. W Va. Md.

p.C.

		a Law Edward	Va.
Bauman, John Lee, Jr.	Nebr.	Janson, Lars Edward	Ga.
Bearse, Dale Ward	Mich.	Jones, Hubert Glenn Jones, Robert Paul	DC.
Bernstein, Joseph	Pa.	(With distinction)	01'
Berthold, Herbert Kurt	Ind.	Juengst, George William	Ohio
Bibb, Lawrence Clayton	Va.	Kaye, Robert Adolph	N D N Y
Billings, Virginia Ruth	Ill. D.C.	With a series Handard Handard	Okla
Bishop, Alan Grayson	Md.	Y - Dans Robert VICUS	III.
Boyer, John Alton	Tenn,		NY
Bracey, Harry Bell, Jr.	N.Y.	Landia Peter Andrew, J.	Pa.
Brooks, Charles Kenneth	Va.	Lane, Wesley Edward	Ohio
Bumgardner, Edward Larrick	Okla.		Md
Carter, Robert Irving	Fla.	1 annual Fthe - Louist	Md
Church, Abiah Adelbert	D.C.		Md
Cohen, William Damon, John	Mass.	Levinson, Raymond Harold	Pa.
Dancy, Allen Joseph	Va.	Lyman, Lawrence	NJ.
Davis, Donald Bull	N.Y.	Manne, Jacqueline Matthews, Charles Donald	Tex
Dean, Dorothy Louise	Va.		Va
tie la Ciarva Hactor Ruben	DC.		D.C.
1/01850s, Lewis	D.C.	McLean, Evelyn Lane	Tex.
Artimer, Jathes Edwin	Ind.	Mulson, Pauline	Pa.
Dobkin, Abraham	N.Y.	Painter, Eleanor Margaret	Md.
Dobkin, Abraham	D.C.	Dalmer William Colon	D.C.
Doman, Francis		Pincus, Arthur	DC
S J.D. 1938, Royal Hungarian Uni-	•	1, 944 Limited in the contract	Sweden
Doran Barry Budapest, Hungary	Md.	Renborg, Bertil	DC
Doran, Roger LeRoy Doukas, John Michael	D.C.	B LL'- large	DC
		Rothman, Leonard Julian	N 3.
	Mass.	Bostenberg, Seymout Abuses	Pa.
Engelstad, Julian Barthol	Wis.	Sanders, John Albert	DC.
	N.Y.	Savary, George Alexander	Wis
Titala, Ciennaro	N.J.	Scheitzer, Robert John Short, Claire Ann	PW
		Sirmai, Albert	Minn.
	Ohio		NH
Fontaine, Guy Edward	Va.	Carlob Mow Lingsey, Jr.	R I.
Garcia, Robert Gekker, Paul	Vt.	Cariob Mushell William	Iowa Iowa
	N-X-		10.43
Gilbert, Paul Edward, Jr.	D.C.	Steinfort, Oliver Wallace	Ohio
Gittleman, Herman Max	Md.	Stowenov Sam	Md
Gilaspey Clar P	Wash.	Swartz, Eugene	Mo
	Maine	Swartz, Eugene Swope, Harold Carl	Mach
Greenstein, Sidney	N.Y.		NI
Hammond, Julian Bryan	S.C.	Thompson, David Latinop	DC
Harris, Herschel	D.C.	Vandernol 180k	Md
	Tex.	Veily, George Grover	
Harvey, Robert Henry	D.C.	(With distinction)	DC
Heath, Douglas Laird	Md.	Wilkinson, Mary Bishop	Main
Heine, Henry Colegrove	D.C.	Willett, John Raymond	Calil
Hergenrather Ct. 17.	D.C.	Williamson, John George Wills, Albert Michael	Mass
Hood County Charles Neale	Md.		DC
Houser Frederick Tark	Md.		DC
Jackson, Joseph Warren	Pa.		DC
sawhit Matted	Ga.	H Ostella, Delije	

FEBRUARY 22, 1949

A .			D.C.
Andrews, Robert Bruce	Minn.	Cohen, Saul Benjamin	Mass.
Bartlett, William Hugh	Va.	Con oran John Flancis	Va.
Beigel, Betty Klotz	Md	Cremen W'lliam Start	N. K.
	Nev.	Cummings F leen Jane	Conn
Calloway, Charles Calvin	Okla	Curtin, Paul Keller	['tah
Cantrell, Lawson James, Jr.	D.C.	Curtis, Lyle S	Tenn
Caruso, Lawrence Robert	1.1	Davis Cl flord, Jr.	Md
	China	Davis, Gordon	N.Y
Cherwel C. (With distinction)	Cinina	Defrin Seymout	14.1
Cherwek Stanley Chow. Bettine	Mass.	(With distinction)	Miss
Clife Pattine	Clina	Demney, Jene Leonard	Pa
Clift. Robert Morris Coben, Jack	Tex.	Dilliplane, Earl Kenneth	Va
- Jack		me Ct L. Dandalah	7.0

The University Record

Elliott, Frank Carson	Pa.	Miller, Andrew John	N.Y.
Eustace, William Elmer	Va.	Mooers, John Eden	Va.
Finney, Robert Sawyer	Ariz.	Moore, Jack Martin	Md.
Fiolek, Jacob Peter	Conn.	Nelson, Carl August	Conn.
Flack, Chester	Va.	Ness, Juell Rockford	S.D.
Flecknoe, Harold Joseph	Pa.	O'Brien, Richard Glynn	La.
Fling, Martha Kathryn	Ga.	Perlmutter, Jerome Herbert	N.Y.
Gilbert, George Milton	Fla.	(With distinction)	
Gray, Lawrence Ulysses	Va.	Peterson, Dean Constantine	Va.
(With distinction)	V III.	Piper, Charles Woods	Fla.
Gross, William, Jr.	Wis.		N.J.
Gunod, Seymour David	N.Y.	Printup, Jack Edmundson Raver, Arthur Cornelius	Nebr.
Haahr, James Christian	Minn.		1'n.
	N.J.	Roach, Francis Joseph	NY.
Henoch, Arthur Saul		Scherer, Solomon	Va.
Hoag, Irving Charles, Jr.	Mass.	Schoen, Richard Davis	MJ.
Hundley, Herbert Wendell	D.C.	Sedlacek, Emanuel Joseph	Mont.
Hunt, Lyman Willis Lee	Okia,	Shatler, Donovan Keith	1)(
Jackson, Charles Louis	Ind.	Sheridan, Robert Anthony	Calif.
Jackson, James Douglas	D.C.	Simmons. Howard Helmuth	1'4.
Jordan, Allan William	Va.	Sligh, Frederick Henry	· Va.
Kaczmar, William	Pa.	Sload, Philip Henry	Va.
Kakalec, John	Pa.	Smith. Charles Henry, Jr.	Pa.
Katz, Julius Louis	N.Y.	Snyder, Donald Kenneth	V'A
Kemer, Frank Conrad	Md.	Stehl, Edward III	D.C.
Klein, Milton	N.Y.	Stolar. David Maurice	D.C.
Koutoulakos, Louis	Va.	Stroup, Windsor William	D.C.
Kucirek, Ernest Frank	Nebr.	Stutman, David	N.Y.
Lavoie, Normand Paul	Maine	Tepper, Robert Joseph	N.C.
Linden, George	N.Y.	Tickel, Jobe Carlton	Wash.
(Special honors in Statistics)		Tollelson, Robert Homer	Ky.
Livesay, Katheryn Ann	Mo.	Trimble, Eugene Earl	N.Y.
Longfellow, Edwin Conor	N.J.	Troisno, Frank Anthony	
Loren, William Odin	Va.	Tull, Robert Lewis	D.C.
Luther, Mary Jean	Tex.	Van Sanford, Gordon Myron	N.M.
Masucci, Robert H.	D.C.	Watta, Byron C.	Utah
(With distinction)			N.Y.
Matson, Richard Lee	Iowa	Webb, Kenneth William	
McDade, James Wright	Tex,	(Special honors in Statistics)	Ga.
McDonough, William Royce	Mont.	West, Jack Burlington	Gs
McElroy, Charles Raymond	Iowa	Wiley, Earl Brooks	Va.
McKendrick, James Hendon	Aln.	Woolard, Raymond Morgan	Md.
McSoud, Clovis Fred	Okla,	Wright, Walter John	

JUNE 1, 1949

			213.
Agayoff, Theodore Daniel	Conn.	Brownholtz, William Walter	Conn
Anderson, John George	N.Y.	Bruskin, Leo	DC
Anderson, Otis Roy	Okla.	Bullockus, Theodore	
Arna, Aubrey Allen	D.C.	Burkley, Robert Blass	D.C.
Arthur, Lester Maxwell, Jr.	Va.	Cadeaux, Ralph Helale	Pa-
Balla, Michael Philip	Pa.	Capizzi, Edward Joseph	NY
Baskin, Robert E	Va.	Carroll, Thomas Wynn	Ga.
Baxa, Edmund Theodore	Kans.	Carter, Cranford	111
(With distinction)		Carter, Darrell Denmeade	Calif
Beatty, Vernon LeRoy	Pa.	Carter, Marilyn	11255
Behrens, Raymond William	D.C.	Carulli, Leonard	74. [1]
Bellemah, Frederick Joseph	D.C.	Caselton, Paul Nicholas	Md.
Benington, Orchard	Va.		Pa
Benkovic, Simon Edward		Castle, John Bayne	
	Pa.	Chew, Allen Frank	DC.
Bennett, Kenneth Homer	Ohio	Chin, Robert	Dr.
Berman, Hyman	N.Y.	Chrisman, Melvin Lee	111
Bilohlavek, Andrew John, Jr.	Pa.	Climpson, Harley Ronald	N. J.
(Special honors in Accounting)			Fla
Bird, James Frederick, Jr	D.C.	Cohen, Lawrence	
Blake, William Lucius	D.C.	Collins, William Royston	Colo
Blakemore, George Jefferson, Jr.	Pa.	Colwell, Millicent	Mg
Boisen, Morton	D.C.	Cornell, Lacy Paul	DC
Borrus, Bernard David	N.J.	Coster, Howard Littleton	Pa.
Bromer, Louis	N.Y.	Cowell, Charles Ellwood, Jr.	Va.
Brown, Martin	N.Y.	Currin, John Langford	4-
Diown, Waltin	AN . II .	Currin, John Langiord	

D.		Para Charles Vincent	Va.
Dalton, Thomas James	Va.	Moran, Charles Vincent	Conn.
	Netherlands Ohio	Morris, James Peter Moser, Ben Moser, Ben	1.3.
Davis, Raymond Arthur Dilli, Barbara Lindsey	D.C.	Moser, Ben Mullins, Jessie Edith Murphy, Barbara Fuller Nershi, Michael Thomas Newnam, William Webster Newquist, Noel Claytou Nichols, Warren James Nones, Walter Lohmann Carca, Walter Faster, Jr. Paralitris, Spero John	Va. D.C.
Doilds, Rosemary Doolds, Rosemary Donnett, William Edward Dusseault, Henry Aimé Echeverri C., Anibal Epstein, Matthew Herbert Emmacher, Harry William Eubank, David Sutton Eytchson, Vernon Leland	Tex.	Murphy, Barbara Fuller	D.C. N.J Pa.
Donnett, William Edward	Calif.	Nershi, Michael Indinas	l'a.
Dusseault, Henry Aime	N.H.	Newnam, William Votor	Kans
Eratain C., Anibal	Colombia	Nichola, Warren James	Md.
Camaches Hanny William	N.Y. Va.	Nones, Walter Lohmann	D.C.
Eubank, David Sutton	Va.	Oakes, Walter Faster, Jr.	DC.
Eytchson, Vernon Leland	111.	Papulotis, Spero John	Pa
Farrell, Samuel James Finnell, Donald Edward	Conn D C.	Paternoste, Losep, Antony Parloss Lorene Bernard	Pa.
Rinches Tonald Edward	D.C.	Perez. Frank Herbert	D.C.
Piacher, Harry Carl Plakowicz, Karol	D.C.	Petaku lubi	Pa Wash.
	Md	Petsky, Joseph Ramsey, Robertson, Jr. Robertson, Lames Richardson, Jr. Robertson, Lames Richardson, Jr. Robertson, Doyle, Jr. Robertson, Marry N. Petsky, P. Petsky, Marry N. Petsky, Marry N. Petsky, Marry N. Petsky, P. Petsky, Marry N. Petsky, P. Petsky, P. Petsky, Marry N. Petsky, P. Pets	Va.
	N. A. 719	Roberson James Richardson, Jr.	Iowa
	Calif.	Resters Waller In Conte Ir	Va
Galloway, Clark Hamilton Garcia, Manuel Gilberto Garges, Wilbur Lawrence, Jr. Geier, Conrad Schroeder, Jr. Gelles, Maryin Ir.	N.Y.	Router How Doller h.	RI.
Garras Will	Ariz	Rub E. Marvin Ruces Door Vann Catherine	Md.
Geier, Conrad Salarada, Jr.	11.4	to the ann Catherine	Calif. D.C.
Gelles, Marvin Irving	DC		Or o
Citibbe Verna Walan	Calif	S. M. P. Lieur I. Walle	Con
Goldman, Samuel Zachary Gordon, Thomas Cooper Graham, Googra Grandell Jack	1)(Schooler I da Kathryn	NY.
Grahan, Thomas Cooper	Va.	Schnipper, Herbert	7. 1.
Grone William Breent eld. Jr.	1) (S. Walls Marris William	111
Graham, George Greent eld, Jr. Grose, William Burton Gross, Martin Hamblen, Dana Harmon Harman, Arthur Crawford, Jr. Haven, Herman Hennessy, James Roseph, Ir.	W. Va	Schreiber, H. a. Kataryn Schreiper, Herbert Schwaff, Marcan Libras Schwaff, Marcan Libras Schwaff, Alsan, Grant Challe, E. bared Patrick	Va Conn.
Hamblen, Dana Harmon	Tenn	Sheel at I dward Patrick Sheel off I ews Samuel	Corr.
Harman, Arthur Crawford, Ir.	DC	Stickeroff Ten is Samuel	11.1.7
Herman	DC	Shekeron Lewis Sames	I) C
	E'a_	Si con Fre in Land. Jr.	Ind
Hennessy, James Joseph, Jr. Hershman, Marshall Hess, Wilbur Kenneth Hofman, Bruce Nowell, Jr. Hurst, Donald Andrew	Mass.	Silbert, Gerald Melv n	Pa D.C.
Hoffman D recilietti	Va Md	Comment W' m I ttlejohn	D.C.
Hurst, Donald Andrew	Va	Salbert, German Met. San pros. W 'm I ttlejohn Skelly, George Martin, Jr.	C-ba N Y
	Pa	Smith, Paul Herrs	Mi
Jaskie Wayne Thompson	Pa N Y	Sp. th. Towas Arthur II	NC.
Jacob Wayne Thompson Jaskiewicz, Joseph Francis Karad mea Peter Spiros Reller, William Charles (With distinction)	Pa	Sn. tl. Forms Arrive II Sn. tl. Walker M. rell	MG N.C. D.C. N.Y.
Keller, Will am Charcos	DC	Sander Gleen Harid Sound, Los Robert	V. J.
(With distinction)	Pa		cun
Kimball, Orrin Belvin Klein, Robert M. Kostrk, Peter L.	N.C.	Species Limes Decreis Sq.vres Er est Myrl	N C Tex
Kneed Robert M.	Ohio	Solvies Errest Myrl	D.C.
Konik, Peter James Konik, Peter James Koures, Tom Krebs, Henry Charles Lafley, Cyril Joseph	Ohio	Steakolk Rover Steaky Park Jave Takey James Staton Taket Carl Max Ternery Bully Jack	W Va.
Krebs, Honor Ca	111.	Sterly Paul lav	V'a
Laffey, Cyrif Joseph Landis, Samuel Edgar	DC	Talley, James Staton	DC
	Md	Taute Carl Matt	D C N C M3
Lane, Archibald	Pa	Tou Charles Weaver, Ir.	.70
Laughlin, James Roberts Lawson, Jan Lloyd Lee, Thomas Wai Visco	D C Md	Ten Charles Weaver, Jr. Thomas Latl Armah	Otio
Lee, Thomas Wai Yuen	V'a	Van Neste, Wiber Lane Van Neste, Wiber Lane Van Neste, Wiber Lane	1.1
Leech West and a count	Hawa.	Van Veste, Wilter Lane	N J D C
AND THE PERSON NAMED IN COLUMN	\\a	Van mwegen Lemaid	DC
Lindsay, James Carey Livengood, Ralph Leon Liverman, Myrtle Louise Lohm, Thomas Alexander	Conn.	Vass Richard Brasson Viscent, Warren Habert	10.13
Livergood, Ralph Leon	Va	Vonneuman, Valoias August	DC.
Lohm 73. Myrtle Louise	Mo. Va	Vormes Alexander	D(.
	203	Wainstern Leonard	Great Britain
(With distinction)	I) C	(With distinction) Warfel Rubert James Weathers Milledge Wright	DC.
Luther Elmer Eugene		Warfel Rubert lames	Ga.
Luther, Elmer Eugene Lynn, Donald Mason Macekura, Joseph	Mo.	and the fit and district on	Ga. NY.
Martin Martin	D.C.	Wholey Dorothy Lucille Main	Kans
Macekura, Joseph Martin, Hugh Ingram Mathews, Georgias W.	Pa N Y. Va. N Y.	White Cordon Mirel	D.C.
ALC MINE TO STATE OF THE PROPERTY OF THE PROPE	1.0	Wildemann, Sheila Margaret	WIS
	NY.	Widemann, Sheila Margaret Wilmat, William Francis	Conn N C
Mich. Robert David	ind.	Winborne, Sidney Allen	Towa
Moose C. Edwar	Va. D.C.	Winders, Mildred Exts	N.Y. Va.
Mellen, Robert David Michaelia, Edgear Moose, Coy E., Jr.	Va.	Windorne, Sidney Allen Winders, Mildred Etta Wolfe, Harvey Everett Wolff, Louis	Va.
	* 4.	vitan, andres	

MASTER OF ARTS IN GOVERNMENT

NOVEMBER 11. 1048

Novi	EMBER	11, 1948	
Bulanity Langed Moses	N.Y.	Jackson, Joseph Brown, Jr.	Tex.
Berkowitz, Leonard Moses A.B. 1940, Brooklyn College		A.B. 1946, Texas Technological College	Fla.
Dowdy Sam Gene	Mo.	Mann, Robert Trask	Liu.
A.B. 1946, The George Washington University		B.S. 1946, University of Florida	Mo.
Farl Charles Merritt, Ir.	Md.	McNabb, Victor Owen B.S. 1935, University of Missouri	
A.B. 1941, Western Maryland College	Ohio	Dan Chan Sunn	China
Fernald, Charles Albert A.B. 1944. Ohio State University		LL.B. 1943. Soochow University	p.c.
George, Robert Benjamin	Pa.	Vasa, George Oakley	Die
B.S. 1940, Bucknell University	Calif.	A.B. 1947. The George Washington University	
B.S. 1940, State Teachers College, Florence, Ala. Harrington, Charles Wilmott, Jr. A.B. 1948, The George Washington		Walson Hugh McKelden	D.C.
Florence, Ala.	Wash.	B.S. 1942, University of Maryland	p.C.
A.B. 1048. The George Washington		Ward, Francis Bernard	Die
University		B.S. 1934. Marquette University	
FEBI	RUARY	22, 1949	364
Budger Creeken	N.Y.	Padgett, Edward Riddle	
A.B. 1939, Brooklyn College		A.B. 1947, Johns Hopkins University	Opio
David, Robert Spencer B.S. 1938, University of California	Calif.	A.B. 1942, The George Washington	
	D.C.	University	N.Y.
R S to L. Wilson Teachers College		Spear, Moncrieff Johnston	
B.S. 1941, Wilson Teachers College Kirby, James Wardlaw	5.C.	A.B. 1946, Cornell University	Utah
A.D. 1945, The George Washington		Talmage, Henry Gardner A.B. 1948, The George Washington	
Kukoski, Leonard K.	D.C.	University	N.Y.
A.B. 1947, The George Washington		Tiedemann, Frank Henry	
Iniversity	10).	B.B.A. 1943, College of the City of New York	Mo.
Miller, Boulton Bainbridge A.B. 1948, The George Washington	400.		
		A.B. 1940, The George Washington	pa.
Nelson, Stuart David A.B. 1948, The George Washington	Conn.	Yavil, Minnie	You
University		B.S. 1937. Temple University	
J	UNB I	, 1949	p.c.
Al C Oin	Md.	Gekker, Paul	Die
Adamson, George Quentin B.S. 1935, Iowa State College	2444.	A.B. 1948, The George Washington	G. 48.
Allen, Dwight Lowell	Tex.	University Brown	Conn.
B.S. 1939, Texas Christian University Baker, Louis Robert	D.C.	University Harde, Dudley Brown A.B. 1927, Yale University	Tex
B.S. in Ed. 1949. State Teachers	D. C.	Harris, Robert Early	
B.S. in Ed. 1940, State Teachers College, Superior, Wis, Bizler, Roy Russell, Jr.	3.0.	Harris, Robert Early B.B.A. 1937, Texas College of Arts	D.C.
Bixler, Roy Russell, Jr.	Md.	Hively, Edward Lee	
A.B. 1947, Bridgewater College Clark, William Carl	Tenn.	B.S. 1944, University of Pione	D.C.
B.S. 1036, Cumberland University		Kirshner, Janet Segal A.B. 1945, The George Washington	
LL.B. 1943, The George Washington		A.B. 1945, The Groupe	N.Y.
University Daugherty, Charles Raymond Cotton II	Minn.	University Klein, Percy Franklyn, Jr.	Tes
A.B. 1944, The George Washington		A.B. 1938, Park Contes	Item
University	111.	Matthews, Charles Donald A.B. 1948, The George Washington	
Dehn, Ervin Noble A.B. 1947, The George Washington	# d 5 .		D Rico
University		Rodriguez, Luis Octavio Washington	
Edmonds, Donald Charles	D.C.	A.B. 1941, The George Washington University	Wie
B.S. 1936, Purdue University Ewy, Constance Magdalene A.B. 1941, The George Washington	Minn.		RI
A B. 1941, The George Washington		A.B. 1947, University	Berry
University	Tex.	Rottenberg, Jacob Bear A.B. 1942, The George Washington	
Fudge, Russell Oliver B.J. 1933, University of Missouri	AGE.	University	
- 1939 Carriery of Management			

Thacker, Edward Harvey
A B 1942. The George Washington
University Steele, Ira Ernest B.B.A. 1939, Texas Technological Va. Tex. B.B.A. 1939.

College
Stolarski, C. Robert
A.B. 1948, The George Washington
University
University
University
University China Pa. T'o, Ruo-Chu B.S. 1941, National Central University of China Stowell, John J. A.B. 1938, Syracuse University LL B. 1946, Harvard University N.Y. Zentgraf, Edward August B.S. 1937, New York University Md.

DOCTOR OF PHILOSOPHY

FEBRUARY 22, 1949

Coker, Joseph Daniel
A.B. 1945. A.M. 1947. The George
Washington University
Dissertation: "Economics of Strategic Mills, Mary Barbara
B.S. 1940, University of Pittsburgh
M.S. 1941, The George Washington S. 1941. University University
Dissertation: "A Study of Some
Chemical Interrelationships of Ascorbic Acid, Dehydroascorbic Acid,
and Diketogulonic Acid, With a
Method for Their Determination in
Plant and Animal Tissue"

JUNE 1, 1949

Alexander, Mary Mitchell Pecora, Louis Joseph
B S. 1944. Tufts College
Dissertation: "Hectrocardiographic
Changes in Rats on Thiamine
Deficient Diets" Alexander, Mary Mitchell

B S 1919, Oklahoma Agricultural and
Mechanical College

M S. 1948, University of Michigan
Dissertation: "The Immune Response
of Man to Parterella Information
Crooby, Kenneth Ward

B S. 1939, Wilmington College
A.M. 1940, Haverford College
Dissertation: "The Diplomacy of the
United States in Relation to the
War of the Pacific, 1879–1884" Md. Md.

Ohio

RECIPIENTS OF AWARDS

SCHOLARSHIPS

1948-49

The American Foundation for Pharmaceutical Education Scholarship: Arvilla

The Byron Andrews Scholarships: Beverly Mae Barrett, Ann Courtright, Ann

The Emma K. Carr Scholarships: Solomon Efrem Barr, David Stanley Davis Judah Greensaid, Manuel Louis Helzner. Wayne Thompson Jacob, Howard Hamilton Johnson, Jr., Charles Ernest Lilien. Henry Raden, Richard Gordan Scott. Orie Seltzer, Julian Howard Singman, James Alexander Sinsabaugh. Howard Victor Stambler, Jerome Stanley Wagshal, Farrell Roy Werbow, Joseph

The Columbian Women Scholarships: Marsha Boetler, A.B., Norma Doris Evenson, Carol Macatoff Fineblum, Mary Cecelia Graficlis, Elaine Milded Langerman, Phyllis Sheppy, Persey Jane Watkins, Joyce Marguerite Wilson The Henry Harding Carter Scholarship: Thomas Edward Mutchier, Ir.

The Maria M. Carter Scholarship: Adolphe Charles Kiczales

The Isaac Davis Scholarship: Iris Mildred Bish p

The Robert Farnkam Scholarship: Jane Elizabeth Shanks

The Elma Lewis Harvey Scholarship Doris Nahm The High School Scholarships Marion Baker, Raymond Lowell Bancroft, Virginia Lee Bangs, Jules Isaac Cahan, Jeanne Audrey Cleary, John Hamilton Conaughton, Jr., Michael Anthony Corrado, Jean Nelson Edear, Patricia Joanne Fenton, James Evans Forcum, Meredith Gallup, Paul Weatherly Garrett, Lou Ann. Hall Lean Devis Hadden M. renton, James Evans Forcum, Meredith Gallup, Paul Weatherly Garrett, Louis Ann Hall, Jean Doris Hartley, Marjorie Ann Hill, Edmand Crump Huches, Edward William Hutmire, Joanne Stratford Hyde, Gladys Elizabeth James, Edward William Hutmire, Joanne Stratford Hyde, Gladys Flizabeth James, Edward Ruth Elize Hill Johnson, Donald Swift Kellam, Jr., Mary Beth Koenie, Edin Ruth Krauss, Betty Jane Leaptrot, Dorothy Lee, Albert Lawrence Lawd, Jr., Mary Olga Longley, John Albert Lytle, John Wallace McNeel, Marian Clymer Nowland, Elizabeth Ann Paisley, Stavros Steve Pappas, Rouer Carson Price, Nowland, Elizabeth Anne Saunders, Elizabeth Anne Sheppard, Barbara Anne Simms, Morton Lee Spiegel, Nancy Reynolds Stevens, James Losan Stith, Harry Homer Thayer, Arnold Martin Toxen, Peter Van Allen, James Kermit Van Slyke, Edith Rita Venezky, Josephine Ann Walsh, Janet Wildman The High School Discussion Conterence Scholarships: Helen Mead Caffey, William Mac Jeffries, Peter Uneile Process.

Mac Jeffries, Betty Lucile Russell

The Newspaper Scholarships:

Evening Star: Frederick Adolph deLuna, Bernard Arthur Goodrich Washington Post: John Russell Wiggins, Frank Jones Woodard

The Lula M. Shepard Scholarship: Jan Lloyd Lawson The David Spencer Scholarship Vicainia Anne Myers

The Student Activities Scholarships Raymond Harold Adler, Robert Thomas, Allwine, Henry John Bartelloni, Leonard Bautoth, Clarence Edwin Rosmans, Joseph John Raymon, E. Joseph John Bernot, Frederick Laurence Block, Thomas Constantinus Bosmans, Joseph Whitman Buell, Stanley Burak, Charles Edward Butler, William James Cantwell, Frank Nich. Cantwell, Frank Nicholas Cavallo, Arthur Joseph Cerra, Louis Ciarrocca, Jr., Rob Frank Ciker, Roser Bob Frank Cilento, Bernard Francis Citrenbaum, Franklin John Close, Roger Charles Cole, Frank Edward Continetti, Peter Paul Cordelli, Andrew Nathan

Davis, Jr., Louis Benjamin DeAngelis, Howard Carl Deiderich, Clarence Prowell Davis, Jr., Louis Benjamin DeAngelis, Howard Carl Deiderich, Clarence Provell Drayer, Talbot William Dredge, Donald James Druckenmiller, Albert Morris DuGoff, Robert Lawrence Edenbaum, Robert Joseph Fabian. Jr., Julius Anthony Famulatte, James Francis Fennell, James Joseph Feula, Edward James Fitzpatrick, Richard Howard Freed, Henry Waldo Gogelin, Eugene Gould, James Ceeil Gray, John Robert Grinnell, Charles Anthony Gunner, Maynard Kitchin Haithcock, David Mitchell Howell, James Walter Johnson, Charles Clifford Jones, Fotis Nickolas Karousatos, Arthur Wallace Kennedy, Joseph Gerard Kennelly, James Frederick Kline, Richard Eugene Koester, Aredis Vahan Kojovian, Garo Krikorian, Clarence Elliett Kuidel, Pau Marine, Walter Whitman Mathiesan, Ir. Philip Alovsius McNiff, Dovie Nate Miller, Walter Whitman Mathieson, Jr., Philip Aloysius McNiff, Doyle Nate Miller, Samuel John Moliatt, Bernard Nathan, Eric Gregg Nordhoim, Haroid Franklin Nurtmann, Robert Leslie Parkuson, Chester Joseph Pietras, Lames Andrew Regan, Thomas Rielly, Frederick Clarence Samuelson, Kerneth Robert Samuelson, Kerneth Robert Samuelson, Sam Schreiber, John Sestokas, David Shapiro, W.Jiam Miller Shaw, Alan Edward Sherr, Harvey Andrew Shipman, David Hawey Shiver, John Albert Shullenbarger, Leonard Small, Richard Henry Smith, Leonard William Spangler, Joseph Micheal Stanislawczyk, William Leo Szanyi, John Thomas Tivnan, George Walley, Jr., Denra Wallace Warner, Jr., Eugene Witkin, John Jeseph Valley, Jr., Denra Wallace Warner, Jr., Eugene Witkin, John Joseph Yednock

The Trustee Scholarship. William Gordon Roberts The John Withington Scholarship: Jane Elivabeth Shanks The Ellen Woodhull Scholarship: Dorothy Jean Schram

PRIZES

1048-49

Alpha Chi Sigma Freshman Awards in Chemistry: Arnold Martin Toxen, Ralph Bennett Neal, Robert Dunham Sly

Alpha Chi Sigma Senior Award in Chemistry: LeGrand Gerard Van Uitert Alpha Delta Pi Award to that woman member of the junior class with the most outstanding record in scholarship, extra-curricular activities, and service to the University: Mildred Ann McDowell

Alpha Kappa Psi Award in Commerce. Edmund Theodore Baxa American Institute of Chemists Award in Chemistry: Farl Reddish Yowell Burn, 71 Byrne Thurtell Burns Memorial Award in Chemistry: Pati Reach Gerard Van In. Van Uitert

Chi Omega Award in Social Sciences: Vonette Bogan Locraft

Colonial Dames Award for an essay on Colonial History, Joyce Marguerite Wilson John II. John Henry Cowles Awards in Government: Leonard Wainstein, William Charles

Dewitt Clinton Croissant Award for an essay on drama or the theater: William Winese Ch. Winsor Sherwin

E. K. Gutter Award in English: Benjamin Haile DeMott

Daughters of the American Revolution Award for an essay on American history during the Period of the American Revolution: Herschel Hancock Helm Isaac Davis Awards in Public Speaking: Henry Charles Krebs, Earl William Borchardin Borcherding, Ann Pasternack

Delta Gamma Award to that woman member of the graduating class with the highest scholastic standing: Evelyn Smalling Davis Delta Zeta Award in Botany: William Everett Maloney

Ellsworth Award in Patent Law: Charles Lloyd Good Elton Award in Greek: Doris Nahm

lesse Frederick Essary Award to that student who has given promise of sound

citizenship and ability in "forthright reporting" in student publication: Peter

John Martin

Joshua Evans III Memorial Award to that man in the graduating class who has demonstrated his signal ability in the social and political sciences and who has given promise of the interpretation of that ability in good citizenship among his fellows: Robert Lee Burns

Willie E. Fitch Award in Chemistry: LeGrand Gerard Van Uitert

Alice Douglas Goddard Award in American Literature: Harvey Nelson Fitton

Edward Carrington Goddard Award in French: James Cecil King James Douglas Goddard Award in Pharmacy: Charles Randolph Wolfe

Morgan Richardson Goddard Award in Commerce: Richard Paul DeCamara Gardiner G. Hubbard Memorial Award in United States History: Doris Morgan Olszewski

Kappa Kappa Gamma Award in Botany: Paul Erich Bulow, Jr.

John Bell Larner Award to that member of the graduating class of the Law School with the highest scholastic standing: William Fred Hyer

Mortar Board Award to that woman student in the Sophomore Class having a scholastic standing of B or higher and the most outstanding record in activities: Edith Rita Venezsky

Omicron Delta Kappa Award to that member of the Senior Class who, throughout his course, has done the most constructive work in student activities: William Classin Warner

John Ordronaux Award to that member of the graduating class of the School of Medicine with the highest scholastic standing: Leighton Expertsen Cluff

Phi Eta Sigma Award to the beginning male student attaining the highest scholastic average in his first full term of work: Richard Langtord Peppers, Arnold

Phi Sigma Kappa Award to the winner in a freshman oratorical contest: John

Pi Beta Phi Award to that woman member of the Senior Class who, throughout her course, has done the most to promote student activities: Elizabeth Ann

Ruggles Award in Mathematics: Russell Martin Brown

Sigma Kappa Award in Chemistry: Arnold Martin Toxen

James McBride Sterrett, Jr., Award in Physics: Myron Bernard Zinn United Daughters of the Confederacy Award in history of the Southern States:

Alexander Wilbourne Weddell Award for an essay on World Peace: Jack Linwood Kenner

STUDENT ASSISTANTS

JUNE 1, 1948 TO JUNE 1, 1949

Art: Elizabeth Anne Kline, Mary Elizabeth McTighe, Frances Spruce.

Biochemistry: Jerome Harold Epstein, M.S.
Biology: Edward Charles Connelly, Thomas de Kornfeld, B.S., James Leon
Gargus, Marvin Irving Gottlieb, Stanley Morten Kurtz, Mary Olga Longley,
Thomas William McKinley, John Clark Uehlinger, Emily Frances Upton. James Leon

Botany: Martin George Blechman, Gabriel Edwin, David Goldberg, Daniel William Lineham, George Albert Marlowe, Jr., LaVerne Sayre Miller, Evelyn Kuntz O'Brian William Allen David Goldberg, Daniel Edwin, David Goldberg, Evelyn Kuntz O'Brian William Lineham, George Albert Marlowe, Jr., LaVerne Sayre Miller, Evelyn Kuntz O'Brian William Lineham, George Robert Marlowe, Jr., LaVerne Sayre Miller, Evelyn Kuntz O'Brian William Lineham, George Robert Marlowe, Jr., LaVerne Sayre Miller, Evelyn Kuntz O'Brian William Lineham, George Robert Marlowe, Jr., LaVerne Sayre Miller, Evelyn Kuntz O'Brian William Lineham, George Robert Marlowe, Jr., LaVerne Sayre Miller, Evelyn Robert Marlowe, Marlowe, Jr., LaVerne Sayre Miller, Evelyn Robert Marlowe, Ma

Business Administration: Harry Arthur Abramowitz, Harold Ralph Berson, Bernard Borrus, William Pryor Bushmiaer, Seymour Defrin, Jene Leonard Dempsey, Fred Philip Freed, Seymour Goldberg, James John Joseph Kelley, Richard Lee Matson, Sheldon Allen Noble, Robert Delos Presler, Clarence Rexroth, Albert Sirmai, John Stowell, Howard Eanes Warren, Benjamin Wostein

Chemistry: Leonard Berkowitz, Russell Carl Grunsten, Ennis Cecil Layne, Jr., Wilbert Joseph Robertson, Parkhurst Alan Shore, Nancy Tucker, LeGrande

Gerard Van Uitert, Earl Reddish Yowell

Grand Van Uitert, Earl Reddish Yowell
Civil Engineering: Charles Andrew Appel III, Glen Handy Ballowe, Ivan
Francis Bell, Forrest Horatio Bell, Harold Brown, Walter Harvey Cole, Jr.,
Gail Walden Crossen, Jr., Donald Vernoy Davis, John Glessner, Burr Latta,
Lusadel Moore, Everett O'Brien, John Reidelbach, Lawrence Schneider, B.S.,
Robert Schwob, Charlotte Shepard, Clara Spain, William Robert Sutherland,
William Walles

William Walker

Economics: James Malone Bell, A.B., Gordon Bradford, Gerti Brunner, A.B., Robert Lee Burns, Victor Charles Campo, Charles Ellwood Cowell, Jr., Frederick Donovan Crews, Lilla Cummings, Paul Gekker, A.B., Tommy Coble Ishee, A.B., Stanley Zenon Klukowski, A.B., Louis Koutoulakos, Harold Thomas Lamar, A.B., Charles Donald Matthews, A.B., Ralph Jack McGuire, A.B., Stuart David Nelson, A.B., Hugh Stanton Norton, A.B., Eugene Michael Picciana, A.B., Elizab, A.B., Charles Campo, Charles Induced Control of Control Picciana, A.B., Floyd Reeves, A.B., Suzanne Virginia Richards, A.B., Victoria Simmons, A.B., Irving Taylor, Douglas Price Weaver, A.B., Donald Earl Young

Education: Harold Maurice Wilson, Juanita Murrow, A.M. Electrical Engineering: Francis Gerard Browning, Matthew Fato, Perry Joseph Jecko, Arthur Machlin, Reid Dennis Mayo, Mary Lou Thompson, Robert Edward Winter, Frederick Hugh Battle

English: Claire Jennings, Donald Fred Kaiser, Philip Harold Klepak, Jeanne

LeFevre

Geography: James Bruce Johnstone, James Cornelius VanStory, A.B., Harland

Westermann

History: John Porter Bloom, A.B., Marian Taylor Cummins, Raymond David Fellers, Rhoda Freeman, Robert Scott Harrison, Raymond LeRoy Hays, Herschel Helm, Jr., Joseph Howerton, John Erwin MacNab, Carriagton Belt McGraw, Cornelia Gillespie Miller, Elizabeth Miller, A.B., Marian Cary Morria

Journalism: Elvera Pfister

Mathematics: Russell Martin Brown, James Micael McLynn, Paul Shapiro,
Joseph Jay Wolf

Mechanism: Elvera Pfister

Mathematics: Russell Martin Brown, James Micael McLynn, Paul Shapiro,

Machanism: Elvera Pfister

Mechanical Engineering: Merritt Downing, Raymond Wright Juncal, Charles William Neuhauser, Albert David Tinkelenberg

Pharmacy: Wilson Kress Bressler, Russell Kuhner Hollingsworth, Jr., Cyde George Johnson, Warren Louis Johnson, Arvilla Keller, Robert Eusene Pickett Philosophy, Louis Gisson, Bernat Philosophy: Louise Munthe Cappelan, Sally Chew Dessez, Janet Glisson, Bernat George Hammel, Barbara Irene Salomon, A.B.

Physical Education for Men: Allen Evry, Charles Anthony Gunner, Ailsa Jones, William D. Davids King, Frank Kiey,

William Robert Kearney, Arthur Wallace Kennedy, Phillip King, Frank Kiey, Physics: George Richmond Burnham, George Arthur Craig, Robert Franklin Custard, John O. J. Cocham, Hamilton, Harry Krewson Custard, John Ogilvy Duncan, Samuel Graham Hamiton, Herry Krewson Mannond III, B.S. in Eng., William Robert Harwood, Carence Julian Owens, William Donald Roberson, William Whittemore

Political Science: Robert Melvin Adams, David Barson, Thomas Wynn Carroll, Mine Change Robert Melvin Adams, David Barson, Thomas Wynn Carroll, Ming Chen, Elizabeth Trucks Cole, John James Cound, Samuel Cucamings, Richard Channing Harmstone, Gerald Peter Holmes, Herbert Wendell Hundley, Joseph Brown I Land Mamoto. Joseph Brown Jackson, Jr., Irving Jaffe, A.B., Jan Lawson, Joan Mamoto,

Juell Ness, Eugene Orbeck Rotnem, A.B., Joan Lorey Ryan, A.B., Jerome Wagshal, Leonard Wainstein, Ray Wojtkowick, Nancy Hanck Woodward Psychology: Beverley Batley, Doris Blatdena Browa, Katheyn Burchard, Catherine Dailey, Albert Frederick Dudley, John Philip Foyd, Abraham Melvin Gold, Edward Alien Greene, Christopher William Kytiazis, A.B., Marilyn Rosalyn Marinoff, Betty Price, Laura Shapiro, Edward Sithens, Louise William Kytiazis, A.B. Whiting, Virginia Wilson, A.B., Dwight Geer Worden

Romance Languages: Barbara Dilli Kel'y, Patricia Masann Secretarial Studies: Martha Elizabeth Bausell, Patricia Ann Smith

Sociology: Frederick LeRoy Bates, Marion Epstein

Speech: Stan'ey Louis Berlinsky, Nellie Walker Brooks, Isadore Isaac, James Francis Kavanagh, Joseph Alvin Simmons

Stati ties: James Frederick Bird, Charles Franklin Crichton, Meyer Dwass, Margaret Helen Fox, Sidney Kellman, William Josselyn Lawless, Jr., George Linden, Kenneth William Webb, A.B.

Zoology: Charles Emmet Ball, Jo Anne Marilyn Buss, Mildred Ann Campbell, Harry Carlton, Ann Courtright, Frances Louise Demos, P. em Aslame Dunnington, Jr., Mary Clair For monti, Forest Klaire Harris, Jr. Francis Joseph Hatch. Richard Henry Hedges, Rita Kaden, Adolphe Charles Kiezales, Francis Lincoln Lambert, Betty Lou Mann, Donald Keith McLeughlin, B.S., Seymour Olshin, Annette Riggs, Johannes Lorenzo Scheltema, Rudolf Siegfried Scheltema

STUDENTS REGISTERED IN THE GEORGE WASHINGTON UNIVERSITY 1948-49

		A.I. James Read	Va.
Ä		Adams, Alton George	Md.
	Gu.		Maine
Aarons, Isadore Alfred	1,000 -	AB 1927, AM, 1931, University	
BS. 1933, University of Chicago	D.C.	-f Maine	
Aaronson, Charles Martin	Greece	Adams, Edith Meriwether	Fla.
Abadjis, Andreas P.	Mich	A come From 1 1 1 stal	DC.
Abbe, Janet Louise	Tex		SC
Abbott, Donald Lockhart	Va	A B 114: W. nathrop College	50.0
Abbott, Robert Tucker	11 10	Adams, Lines Rosard Adams, James Rosard Alams, James Rosard Alams, James Rosard	M. / T. D.C.
B.S. 1946, Harvard University Abdoh, Mehdi	1) C.	Atons lames Remard	10 12.
Abdon, Zenio Jose	Brazil	Alama Line Maire	201
Abel, Edward	Mars	Adams, Isames Royand Adams, Mars Kasheyn Adams, Physics Veta sua Adams, Roshert Louis Adams, Roshert Nelson Adams,	1,11.
Abel, Howard Bornal To	Mars l'a	Adams Joseph ne Mary	. 1
	DC.	Adams Ma one Mine	17.0
Abellon, Father Marine	Cuba	Adams, Mary Katheyn	Total
Abelman, Anna Lee	DC	Adams, Phyllis V. ta 212	1)(
Abel, Leonard Leon Abellon, Esther Matina Abelman, Anna Lee Abelman, Neil Hyman Abelson, Allan Joseph B.S. 1949, Temple University Abendachein, Mary-Jana	Caba DC DC.	Adams, Rahard Hugh	110
Abelson, Allan Joseph B.S. 1949, Temple University Abendachein, Mary-Jane Aber, Selma Thelma Aberant, Thomas Roman A.B. 1947. The George Washington	Md.	Adams, Robert Louis	DC
B.S. 1949. Temple University		Adams, Robert Melvin	10
Abendachein, Mary-Jana	Va.	Adams, Robert Nelson	V 1
Aber, Selma Thelma	N.Y.	Adams, Robert The pison	11.1
Aberant, Thomas Roman	Pa.	Adams Wil an Beater	D.C
A.B. 1947. The George Washington	1	Adamson, George Quentin	
		BS 1716. Iowa State Teachers	
Aberg, Robert Leonard Aberg, William Arvid, Jr. Abernathy, Winston Sterling B.S.	DC	College	Kans.
Aberg, William Arvid, Jr.	DC.	Adamson Keith Earl	DC.
Re Winston Sterling	DC.	Adamson Keith Earl Addison, Francis Gurult BS 1947, Washington and Lee	
1745. United States Naval			
Abio, George	TV C	University la Virginia	Md.
Abney, Archie Lowell Abraham, Abe Samuel	DC.	Adelyberger Fillity trans	V. I.
Abraham Al- S	111.	Adelson, Morton Daviding	Mass
	Md	Adelsbearer Emily Virginia Adelsbearer Emily Virginia Adelson, Morton Jackson Adelson, Norman Perstong B.S. 1941. University of Alabar	na
Abraham Conna William	DC	Ademold Leon Wyatt	
Abrahamina Wala William	D.C.		V'a
Abrahama William Manua	Di	Adk 1.5. Hobson Lee Adkisson, Kathryn Eloise	111.
Abrahamaon Insent I -t-	8,6	Addresson, Nathryn rainte	
Abramowitz Charles	P. V	Adler, Howard Henry	N 3.
Abraham, George William Abrahaman, Viola Virginia Abrahaman, Viola Virginia Abrahama, William Henry Abrahamaon, Joseph Labe Abramowitz, Charles A.B. 1048, The George Washingto	44.4.		Va
		Adler, irving New York University	
	81 T	Adler, Lee Elliott	DC
Abrama, Edwin Fred	De	Adler, Raymond Harold	I) C
		Ado'tson, Ray Elward	111.
A. B.S. 1941, Queens College	24 .	Adrian, Alexander Cothean	DC.
Abrams, G. Doris B.S. 1941, Queens College Abrams, Isaac Nathan Abrams, Isaac Nathan Abrams, Jehnela Hillel Abrams, Sheklan David Abrams, Sheklan David Abramson, Ardrey Charles Abramson, Adde Abramson, Milton B.B. A. 1942, College of the City of New York	DC	Adrian, Alexander Cottaran R.S. 1042, Wilson Teachers Coll	cke
Abrams, Israel Jacob	D.C.	Adrian, Donald Keith	
At A	DC	Ady. John Hamilton	Md
Ab. Sheldon David	DC	Ady, John Hamilton Agavoff, Therefore Daniel Ager Harry King Ager John Abent Agerstkorg, Jernes Albert Agner, Robert Lee	Conn
Ab. Sidney Charles	DC	A Harry King	DC.
Abanison, Aaron	NY Y	Ager Harry Knock	DC
Ahramaon, Adele	D.C.	Ager Jones Albert	III
R p Milton	8. F.	Agerstong, Junes America	D.C.
B B A 1942. College of the City Abreo, Nancy Lee		Apnet, Robert Lex	Va.
Abrea New York		Agrew, Anna Agnes Pallord State Teac	hers
Abrilat awancy Lee	D.C.	BS 1929, Radford State Teac	
Abust Milegron	D.C	College Salls Ann	Merico
Accrato, Pasquale Louis, Jr. Accrosco, Russell Anthony Ackerly, Robert Louis Ackies, Ernest Lee Acquist, Nicolo	D.C. D.C.	Aguimas, Sally Ann	D.C.
Accround Pasquale Louis, Jr.	R 1.	Anthony	Pa
Ackerly, Robert Anthony	Ohio	Ag intewicz, Henry Allenday	gton
Ackies, Ernest Louis	N.Y.	B.S. 1947. The Occuse Washing	
Acquist, Nicolo	DC	University	DC
A B. 1942, College of the City New York	N.Y. D.C. N.Y.	Ahari, Hussan	111
New York College of the City	of		Iow.
- 00 %		Ahmaun, Mary Flizabeth	

Aidenoff, Abraham	III.	Algire, Kent Duvall	D.C.
A.B. 1934. University of Chicago		A.B. 1018, LL.B. 1010. The George	
Aiken, Bernard	Md.	Washington University	
Aiken, John H.		Alhimook, Daniel	Md.
Aiken, Sarah Elizabeth	D.C.	Allan, Halle Charles, Jr.	Va.
A.B. 1947. University of North		Alldridge, Alfred Robert	Pa-
Carolina		Allegri, Theodore Henry	D.C. N.Y.
Aiken, William David	Va.	Allegri, Theodore Henry	N.Y.
Aikman, Edward	D.C.	A.B. 1947, the George Washington	
Ailes, Curtis	Va.	University	La.
B.E.E. 1941, Ohio State University	200	Alleman, Hubert Charles	
Ainley, James Edward, Jr. Aires, Francis LeRoy	Md.	A.B. 1939, West Virginia University	Maine
Aires, Francis LeRoy	D.C.	Allen, Alice Edwina	Pa.
B.S. in B.A. 1949, Georgetown		Allen, Alice Grieves	N.L
University	D.C.	Allen, Carrie Davis Allen, Denver Irving	N.J. D.C.
Akey, Cecile Hikel	Conn.	BS 1018 Ph.D. 1041 University	
Aksomaitis, Casimir Joseph	Va.	B.S. 1938, Ph.D. 1942, University of Missouri	
Aksomaitis, Mary Ann Alailima, Vaiao John Samo	an Is.	Allen, Donald Vail	III.
Alamo, Juan Rodrigues	D.C.	Allen, Eileen Denney	Va.
Alawine Alton Jackson	Miss.	A.B. 1938, University of Maryland Allen, Howard Benson	
Alawine, Alton Jackson Alba, Carmelo Vincent A.B. 1940, University of Wisconsin A.M. 1946, Columbia University	D.C.	Allen, Howard Benson	D.C.
A.B. 1040. University of Wisconsin		Allen, Jacqueline	Md Tex.
A.M. 1946. Columbia University		Allen Tames Victor	1 cz-
Alhamonte, Eugene	D.C.	B.B.A. 1947. Texas Technological	
Alban, Paul Henry	Md.	[ollege	Va.
Alhaugh, Helen Elizabeth	Pa.	Allen, Jane Grace	Pa
Albers, Patricia	D.C.	Allen, Jere Mullen	D.C.
A.B. 1948, The George Washington		Allen John Lorenh	Md.
University Hartwell	Va.	Allen, Jane Grace Allen, Jere Mullen Allen, John Bolling Allen, John Joseph Allen, John Michael	N.Y.
Albert, Sterling Hartwell	Utah	Allen, Jonathan Harvey	Tenn.
Albertson, Arthur Grant	Md.		Va.
Albertson, Virginia Anne	9490.	A.B. 1914. University of Richmond	
A.B. 1948, Mary Baldwin College Albrecht, Raymond Frank	Va.	A.B. 1924. University of Richmond A.M. 1940, The George Washington	
Albrecht, Raymond Frank	Indies	University	Idaho
	W.Va.	Allen, Martha DeGroat	IGane
Atheight Pences Lucas	Kans.	B.S. in Ed. 1917, M.S. in Ed. 1943	
Albright, Penrose Lucas B.S. 1946, United States Merchant		University of Idaho Allen, Nancy Keon	D.C.
Marine Academy		Allen, Nancy Keon	
Alde, Robert	Va.	A.B. 1948, University of Southern	_
Aldea, José Marvel Puerto		California Allan Nama Vainh	CCCCICCC
Alden Ruth	Va.	Allen, Nancy Leigh Allen, Patricia Elizabeth	D.C.
A.B. 1943, Witwooterran University,		Allen Benneld Alfred	D.C.
Johannesburg, South Africa		Allen, Reginald Alfred Allen, Reginald Nelson	N.Y.
Alderson Richard Fasterly	Va.	Allen. Richard Hiram	D.C.
Alderson, Wilbur Stanley	Va	Allen, Roland Dean	D.C
Aldhizer, Carthon Evans	N.C.	Allen, Rose Marie	D.C
Aldridge, George Martin	D.C	A.B. 1947. McGill University	Va.
Alduk, Thomas Joseph	Pa.	A.B. 1947. McGill University Allen, Sylvia Dunnavant	
Alexander, Francis DeSales	D.C.	B.S. 1940, Farmville State Teachers College, Va.	
Alexander, Harold Bell	Tex.	College, Va.	Ala.
Alexander, Marion Thomas	D.C	Allen, Theodore S. Allen, Thomas Howard	D.C.
Alexander, Mary Mitchell	Md	Allen, Thomas Howard	Kans.
B.S. 1930. Oklahoma Agricultural		Allen, I homas Keith	D.C.
and Mechanical College		Allen, Waitman Triplett	Va-
Alexander, Norval Don	D.C	Allen, Walter Gordon B.S. 1945, United States Military	
Alexander, Ronald McKenzie	D.C	Academy	Va-
B.S. 1941, Southeastern University		Allen, William Toliver	Va.
Alexander, Roy L., Jr.	N.J.	Allender, Thomas	D.C.
A.B. 1948, Duke University	-		
Alexander, Roy Malcolm	Pa	A.B. 1930, The George Washington	
LL.B. 1941, National University	212	University	N.C.
Alexiou, Louis	N.Y.		
Alexis, Everett Crispin	D.C	Alley, Edith B.S. 1938, Western Carolina Teachers	- 43
Alfonso, Tagle Manuel	Cuba	College	MG.
Alford, Patricia T.	D.C.	Alligood, Frank Maybee, Jr.	Md.
A.B. 1948, The George Washington University		Allinger, Dorothy Ann Allison, Helen Maria	W.Va.
Alger, Ann Elizabeth	Fla	Allison, rielen Maria	D.C.
Alger, Shirley Ann	Va	Allison, Horatio Allison, Joan	
	7 4	rational, justi	

		. 1 11	DC.
Allison, Joseph Peter	N.Y. D.C. D.C D.C	Andersen, Leora Ivadel A.B. 1930, Iowa State Teachers	
Allison, LeRoy Montgomery Allison, Mary Ellen	D.C.	Coliere	
Allison, Mary Ellen	DC	Coloree Anderson, Nephen Foss, Jr. Anderson, Alfred Visionit Anderson, Alvin Leonard Anderson, Alvin Leonard Anderson, Alvin Leonard	DC.
Allison, William Butterworth	Va.	Anderson, Alfred \ n cr t	Minn.
A.B. 1040 Gettysburg College		Anderson, Alvin Leon and Free N T)
A.B. 1940, Gettysburg College Allman, William Dominic	D.C.	h land sel sheth	DC.
Allnutt, Benjamin White	Md.		Mass.
A.B. 1941, Western Maryland College Allnutt, Ralph Bogley	D.C.	Anderson, Bowman Cowne Anderson, Bowman Cowne A B 1936. The George Washington University Anderson, (asl Robert	Va.
Allahouse Jacobs Ella	III.	AB 1946. The George Washington	
Allwine, Robert Thomas	D.C.	Conversity	Pa.
Almeida, Virgil Antunes Almy, Denal Johnson, Jr.	N.Y.	Anderson, Carl W. II. am	Mass.
Almy, Dean Johnson, Jr.	Md	Anderson, Carl William AB 1912, University of Vermont Anderson, Chester Marion Anderson, Donald James Anderson, Francis William B. C. Carlotte University of Illinois	
Almy, Donald Comstock	R.I.	Anderson Chester Marion	Md.
Alpas Inch	Md. D.C.	Anderson, Donald lames	Pa. Ill.
A.B. 1047 The George Washington	2.0.	Anderson, Francis William	141.
Almy, Donald Comstock Almy, Helen Alpar, Jacob A.B. 1947. The George Washington University		Anderson, Francis William BS 1946, University of Illinois Anderson, G Ross, Jr Anderson, George Thomas Anderson, Geraldine Elizabeth Anderson, Harvey Henderson BS 1941, The Citadel Anderson, Helen Margaret Anderson, Helen Margaret Anderson, Helen Tritchard Anderson, Henry Clay Anderson, Laste Pamelia A B 1945, Lawrence College	S.C.
Alber Carolun Phullia	D.C.	Anderson, G. Ross. Jr	S.C. D.C. D.C. S.C.
Alterman, Toby T. Altern, John Lambert	Va. N.Y.	Anderson Geraldine Elizabeth	D.C.
Altizer, Betty Jo	Va.	Anderson, Harvey Henderson	S.C.
Oliman Coleman Basker	D.C.	BS 1941, The Citadel	Md.
Altman, Gerald B.S. 1943, LL.B. 1949, Boston University	Mass.	Anderson, Helen Margaret	Va.
B.S. 1943, LL.B. 1949, Boston		Amierson, Helen Prittman	Va.
University	D.C.	An derson Title Pamelia	Va.
Altman, Pauline D.		AB 1946, Lawrence College	
A.B. 1031, Hunter College Altman, Seymour S. B.E.E. 1044, College of the City Altman, Sol	N.Y.	Anderson John George Ar Jerson John Victor	N.Y. D.C. III.
B.E.E. 1944. College of the City		Ar lerson John Vator	111
Al of New York			D.C.
Altman, Sol	N.Y.	Ar lervon, Loretta 312)	D.C.
Altmann, Andrew Taylor	D.C.	Anderson, March Burr	Md.
B.S. 1941, University of Maryland Altmre, Herbert Daniel	D.C	Anderson, Named Burr Anderson, Named Burr Anderson, Namey Anderson, Nellie Carr	D.C.
Alton, Sidney Guy	D.C	Anderson, Nellie Carr	D.C.
Altshuler, Eugene Altshuler, Norman Altshuler Occas	N.1	A to told to the occupe manner	
Althuler, Oscar	Conn.	Chiversity Annat	DC.
Alverer Belarming Cont.	N.Y	Anderson, Nora Agnes	Okla.
Alverer, Belarmino Garcia Alvey, Ernest Brandon Alvig, Oscar Roald	TO KIN	Anderson, Robert Helly	Pa.
Alvig. Oscar Roald	Va	Symbological Resident Louis	Nebr.
	Va		Va.
Alvord, Clarissa Alvord, Marian	DC		DC
Alvord, Marian Alwine, Edward Ambrose Amatayakul, Ravi	D.C. Pa	Anderson, Way or Rasell Anderson, W. am Abbott	D.C. D.C. D.C.
"MWIDE Primary & 1	Pa	Anderson, W. am Hessey	DC.
Amatayakul Ravi	Sinm	Anderson M. affi Waiti	111.
A TOTAL LUMB Matana	Sam	Amderton, James William	Md.
Ambery Robert III	D.U	Andes, Fall Gowa)	Fla. Va.
Ambler, George Chester	Mil	Andress, Frank Samuel	N.Y.
	€. T	Andrews, Adeline Lovell	Mass.
University		Andrews, Alphone Michael Andrews, Anna Vaughan	Mass.
	Na.	Andrews, Lee Austin	Calif.
A.B. 1942, Cornell University Ames, Elizabeth Morris		Andrews, Norman Jacob	N.Y.
AB 1010 P. Aller	N'a	Andrews, Robert Bruce	Mass. Iowa
A B 1929, Randolph-Macon Woma	n'ı	Andrews, Robert Owen	R.J.
Allies Kashar		Andrews, Thurley Louise A.B. 1046. The George Washington	
	Utah Maine	University	
Amidon, Robert Horace	D.C	Andrich, Dan J.	Minn.
Ammon William Henry	Pa	Andrich, Dan J. Angel, Grover LaMarr	N.C.
Amson Maniam Bronley, Jr.	Md	A R 1010 High Point College	00
Amster Mann	D.C	A.M. 1946. The George Washingto	
B.S. in F. D	NJ	University Angel Jerry Irwin	N.Y.
B.S. in E.E. 1948, Rutgers Univers Anders, Fay Temple Anders, Fresh, W.	hity	Angel, Jerry Irwin Angel, William Irby, Jr.	Va
	NAT COS	Angelaras, James George	D.C.
Anders, James Alfred	Md	Angello, Dolores Bess	N.L.
Andersen, Harold James	D.C.	Angello, Dolores Bess Angello, Edna Angelo, Patricia Wilson	D.C. D.C. N.J. Va.
	D.C.	Angelo, l'attreta wateou	

Ankeny, Eleanor Ann D.	C. Arnald, Rosalie Bryant D.C. Arndt, Willia LeRov D.C.
Ankers, John Edward	
Angle, William Ward	
Annas, Margaret Catherine	a. A.B. in Ed. 1945, Morehead State C. Teachers College
Annis, Helen Woodburn	Arnn Aubrey Allen
B.S. 1930, Muskingum College Ansberry, Ruth Evalya	d Aenold Tennie
A.B. 1930, University of California Anaber, Harold N.	Arnold, Mary Ann
Ansher Harold N.	V Accord Richard Edmund
A.B. IQIQ. DIUDLIYA COHERC	Arnos Rose Mary
Ansher, Norton N.	Y. Aronson, Ellis Smiller
Anstine, lames Cole	C Aronson, Sylvan Bernard
Antholis, Cleo D.	C. Aronstein, Jennie Goodman ()hou
Anthony, James Nicholas S.	C. Arrick, Alma Arlene Arroyo, Francisco Hermandez
A.B. 1948, The Citadel Antkin, Stephen N.	J. A.B. 1947. Hardin Simmons Univer-
B.S. 1947, Marietta College Anton, Alfred John	#161
Anton, Alfred John V	a. Arsem Collins
A.B. 1948, University of Missouri	Arsham Isahell
Anton, Ruth Martha lov	
Antonelli, Francis Anthony	C. Arthur, Frank Melvin
Antoniadis, Catherine Enphrosini Gree	ce Arthur, John Joseph
Antoda, Lamond Jones	Auchine Designand Lea
1300000 101 1 00000	a. Arundell. Elizabeth
A.B. 1938, Lafayette College	a. Arundell, Elizabeth Arvanetes, John
Apear Herbert Leroy D.	Arvidson Dorothy Kuth
Anodaca Anacleto Garcia D.	C. B.S. 1942, Purdue University Cub Asano, Paul Sachin Va.
B.S. 1940, New Mexico Agricultural	Asano, Paul Sachin
and Mechanical College	Ascherield, Theodore F.
App. Oliver Leo Appel, Charles Andrew D.	C Academy
	M.S. 1918. University of California Y. Asero, Annela Teresa
Applebaum, Anita Max Applebaum, Helene Joan	C M.S. 1018, University of California D.C. Asero, Angela Teresa D.C.
Appleby Jackson Herbert M	d. Asha, John Muchael
Appleby, Jackson Herbert M. Appleby, James Scott D.	C. Ashby, Helen L.
	Ashby, Richard
Applerate, John Curtis	io A.B. 1936, University of Florida
Applestein, David	
Arason, Jacob Peter Araujo-Vidal Juan B.S. 1940, University of Puerto Rico Arch, Edward Kenneth	D. Carolina D.C.
Araujo-Vidal Juan	Ashby, Wallace L. A.B. 1947. The George Washington
Arch Edward Kenneth	a. University W. V.
	a Ashcraft, Dorothea Lee Ala-
Archer Crit Alexander Mit	Ashcraft, Homes
Arena lennis Carol	B.S. 1928. United States Naval
Ariman, Herbert Edward Oh	to Academy DC.
	zil Ashdown, Katherine Jean D.C. I. Ashe, Ray Lester Fla
Aria, Michael Joseph	J. Ashe, Ray Lester Fla Asher, Cleona Va
A. Dahar Anthony Puerto Ri	co Ashford, Robert Sidney
Arguetto, Newton Aria, Michael Joseph B.S. 1048, St. Peter's College Arias, Robert Anthony Arias, Sidney Edgar Arkoian, Garabad D.3	A.B. 1048, Princton University Va.
Arias, Sidney Edgar D. Arkojan, Garabad D.	C. Ashley, Paul Haskell
Arlotto, Russel Anthony N.	LB. 1916, King College Mass
Armbrust, Bernard Flynn, Jr. Ar	L Ashley Robert David
Armbeuster Francis Edward	
A.B. 1948, The George Washington	Asin, Hy Ashmore, Charles DeLoach
Dayersity	a A.B. 1018. Harvard University DC.
Armbruster, Ralph Edward V. Armbruster, Ruth Jane N.	Ashton He is George Kans
Armenaka, Rita Emanuel Gree	
Armenakas, Anthony Emanuel Gree	4 I I I was Clarke
Armiger, Louis Earl	d. BS 1717 Illinois Institute of
Armistead, Mary Ann D.	Tech more Md.
Armore, Jack E. N.	Asken William Poporti
B.S. 1936, Brooklyn College	Atomitch, Certified
Armstrong, Barbara Jean	Accusson have a
Armstrong, Dickie F. Armstrong, Warren L.	
A.B. 1044. Thiel College	
A.B. 1944, Thiel College Arn, Lauren Arden	io Atkins, John Dillard, Jr Seats
A.B., LL.B. 1940, Ohio State Uni-	Atkins, Griswold Terry Atkins, John Dillard, Jr. B.S. 1940, North Carolina State
versity	College

Aktianon, Charler Fred Corge Washington Chickianon, Charler Fred Corge Washington Cunversity and Control Washington, Charler Fred Makington, Charler Fred Washington Cunversity of Makington, Charler Reserve University of Makington, Canada Vernon B.S., 1048. Colorado School of Mines. 104				9781
Alkinson, Charles Fred Alb. 1948. The George Washington University Alinson, Ethel Kathleen B.S. 1938. Carnesie Institute of Technology A.M. 1940. Western Reserve University A.M. 1940. Columba University A.M. 1940. All 1940. Western Maryland Collage A.M. 1940. Columba University A.M. 1940. All 1940. Western Maryland Collage A.M. 1940. All 1940. Western Maryland Collage A.M. 1940. All 1940. Western Maryland Collage A.M. 1940. All 1940. University A.M. 1940. All 1940. University of Autt., Howard Lonidas A.M. 1940. Western Maryland Collage Autten, Howard Lonidas A.M. 1940. Western Maryland Collage Avancea, Manuel Claude A.M. 1940. Western Maryland Collage Avancea, Manuel Claude A.M. 1940. Western Maryland A.M. 1940. Call L.M. 1940. University A.M. 1940. Call L.M. 1940. University A.M. 1940. Call L.M. 1940. University A.M. 1940. Call Collage Avancea, Manuel Claude A.M. 1940. Call	Atkins Thomas Richard	Va.	Ayers, June Elizabeth	III.
A.B. 1948. The George Washington University Atkinson, Ethel Kathleen B.S. 1948. Carnegie Institute of Technology A.M. 1940. Western Reserve University A.M. 1940. Western Reserve University Atkinson, Geald Vernon B.S. 1948. Colorado School B.S. 1949. The Ergst Colorado School B.S. 1949. Washington Attendam, Wade Hampton Atkinson, Ruth Elizabeth Alter, Grace Elizabeth Altwood, Arthur William Alter, Grace Elizabeth Albert, Eggens James B.S. 1949. A.M. 1947. New York Alter, Liversity Alt, John Miller Alter, John M	Atkingon Charles Fred	Ohio	A.B. 1945, The George Washington	
Atkinson, Ethel Kathleen B.S. 1938. Carnesie Institute of Technology A.M. 1940. Western Reserve Unitary A.M. 1940. Columba University A.M. 1940. Columba University A.M. 1951. Columba University A.M. 1952. Columba University A.M. 1952. Columba University A.M. 1953. Columba University A.M. 1954. A.M. 1954. University A.M. 1954. The George Washington A.M. 1954. Columba University A.M. 1954. Mestern Maryland College Autern, Robert Sheley A.M. 1954. Columba University A.M. 1954. Mestern Maryland College Autern, A.M. 1954. Columba University A.M. 1954. The George Washington A.M. 1954. Mestern Maryland College Autern, Howard Leonidas A.M. 1954. Western Maryland College Autern, Howard Leonidas A.M. 1954. Western Maryland College Autern, Howard Leonidas A.M. 1954. Mestern Maryland College	A B 1049 The George Washington		Inversity	87.0
Atkinson, Ethel Kathleen B.S. 1036, Carnegie Institute of Technology AM. 1040. Western Reserve University AM. 1040. Western Reserve University Atkinson, Gerald Vernon B.S. 1036, Carnegie Institute of Technology Atkinson, Gerald Vernon B.S. 1036, Sept. Atkinson, Gerald Vernon B.S. 1037, Colomba University Aktinson, Wade Hampton Attendan, Chinda Atkinson, Wade Hampton Auton, Martha Joseph B.S. 1043, AM. 1047, The George Washington University Alt, John Miller Ab. 1048, The George Washington Auton, Mildred Condition Auton, Charles Edward Auton, Mildred Condition Auton, Cha	Linewers In		Ayers, Theodore Aley	va.
Technology AM. 1946. Western Reserve University Akinson, Gerald Vernon B.S. in P.E. 1948. Colorado School of Mimson B.S. in P.E. 1948. Colorado School of Mimson, Roderick Dhu Akinson, Arit William Albett, Paralle Labeth Albett, Leguen Jaset B.S. 1947. Howard University August, Frank Joseph B.S. 1943. A.M. 1947. The George Washington University August, Frank Joseph B.S. 1943. A.M. 1947. The George Washington University August, Frank Joseph B.S. 1943. A.M. 1947. The George Washington University August, Frank Joseph B.S. 1943. A.M. 1947. The George Washington University August, Frank Joseph B.S. 1943. A.M. 1947. The George Washington University August, Frank Joseph B.S. 1944. Howard University B.S. 1945. The George Washington August, Carroll Wynes B.S. 1945. Howard University August, Frank Joseph August, Pank Joseph August, Carroll Wynes B.S. 1949. Howard University B.S. 1949. Howard Maington August, Pank Joseph B.S. 1943. Howard U	Atkinson, Ethel Kathleen	Ohio	A.B. 1941, University of Virginia	10.
Technology AM. 1946. Western Reserve University Akinson, Gerald Vernon B.S. in P.E. 1948. Colorado School of Mimson B.S. in P.E. 1948. Colorado School of Mimson, Roderick Dhu Akinson, Arit William Albett, Paralle Labeth Albett, Leguen Jaset B.S. 1947. Howard University August, Frank Joseph B.S. 1943. A.M. 1947. The George Washington University August, Frank Joseph B.S. 1943. A.M. 1947. The George Washington University August, Frank Joseph B.S. 1943. A.M. 1947. The George Washington University August, Frank Joseph B.S. 1943. A.M. 1947. The George Washington University August, Frank Joseph B.S. 1943. A.M. 1947. The George Washington University August, Frank Joseph B.S. 1944. Howard University B.S. 1945. The George Washington August, Carroll Wynes B.S. 1945. Howard University August, Frank Joseph August, Pank Joseph August, Carroll Wynes B.S. 1949. Howard University B.S. 1949. Howard Maington August, Pank Joseph B.S. 1943. Howard U	B.S. 1028 Carnesia Institute of		Ayers, William Glenn	
Attimon, Gerald Vernon B.S. in P.E. 1948, Colorado School M. of Mineson Authon, Roderick Dhu Attimon, Mad Hampton Attimon, Mad Hampton Attimon, Mad Hampton Attimon, Mad Hampton Attimon, Arthur William Abe, Grace Elizabeth Alla, Betty Ann Alle, Grace Elizabeth Alle	Technology		Aviward, john Danse	
Attimon, Gerald Vernon B.S. in P.E. 1948, Colorado School M. of Mineson Authon, Roderick Dhu Attimon, Mad Hampton Attimon, Mad Hampton Attimon, Mad Hampton Attimon, Mad Hampton Attimon, Arthur William Abe, Grace Elizabeth Alla, Betty Ann Alle, Grace Elizabeth Alle	AM 1040 Western Deserve Uni-		Ayres, Sue Frances	Va.
Altimson, Ruth Elinabeth Altimson, Nuth Elinabeth Altimson, Wade Hampton Altimson, Markey And Markey Altimson, Markey Hampton Altimson, Markey B.S. 1947, New York Altimson, Markey B.S. 1943, Alm. 1947, New York Altimson, Markey Altimston University Altimson, Markey B.S. 1943, Alm. 1947, The George Washington University Altimson, Markey B.S. 1943, Alm. 1947, How George Washington University Altimson, Markey B.S. 1943, Alm. 1947, How York Altimson, Markey B.S. 1943, Alm. 1944, Washington University Baden, Markey Badene, William Louis Badene, Milliam Bauen, John Lage Badene, William Badene, Will			B.S. 1931. Madison College	
Altimson, Ruth Elinabeth Altimson, Nuth Elinabeth Altimson, Wade Hampton Altimson, Markey And Markey Altimson, Markey Hampton Altimson, Markey B.S. 1947, New York Altimson, Markey B.S. 1943, Alm. 1947, New York Altimson, Markey Altimston University Altimson, Markey B.S. 1943, Alm. 1947, The George Washington University Altimson, Markey B.S. 1943, Alm. 1947, How George Washington University Altimson, Markey B.S. 1943, Alm. 1947, How York Altimson, Markey B.S. 1943, Alm. 1944, Washington University Baden, Markey Badene, William Louis Badene, Milliam Bauen, John Lage Badene, William Badene, Will	Atkinson Gorald Vanner	Colo	A.M. 1935, Columbia University	
Altimson, Ruth Elinabeth Altimson, Nuth Elinabeth Altimson, Wade Hampton Altimson, Markey And Markey Altimson, Markey Hampton Altimson, Markey B.S. 1947, New York Altimson, Markey B.S. 1943, Alm. 1947, New York Altimson, Markey Altimston University Altimson, Markey B.S. 1943, Alm. 1947, The George Washington University Altimson, Markey B.S. 1943, Alm. 1947, How George Washington University Altimson, Markey B.S. 1943, Alm. 1947, How York Altimson, Markey B.S. 1943, Alm. 1944, Washington University Baden, Markey Badene, William Louis Badene, Milliam Bauen, John Lage Badene, William Badene, Will	BS in DE and Colorede School	6000	Avlward, Patricia Eileen	Maine
Alkinson, Roderick Dhu Akinson, Ruth Elinsbeth Alkinson, Wade Hampton Attanan, Chinda Allas, Betty Ann I) C. Allas, Betty Ann Alber, Gree Elizabeth Albe, Gree Elizabeth Albe, Gree Elizabeth B.S. 1946, M.S. 1947, New York Liversity Aube, Gree Elizabeth B.S. 1946, M.S. 1947, New York Liversity Auer, Frederick John Lik, B. 1942, Southeastern University Aller, Albert, Eugene James B.S. 1943, A.M. 1947. The George Austin, Mildred Chandler Aller, Albert, Memery Augustine Austin, Dean Mery Augustine Austin, Dean Mery Augustine Austin, Roland M. A.B. 1948, Western Maryland College Austin, Roland M. A.B. 1948, Western Maryland College Austin, Roland M. Autin, Modery Elimer Austin, Roland M. Autin, Nobert Kenneth Austin, Nobert Sheley M.M. B.E. E. 1940, L.L. B. 1948, University Aver, 1941, Stanford University Aver, 1941, Stan	of Mines		Aynes, Edith Annette	D.C.
Aktianson, Ruth Elisabeth Aktianson, Wade Hampton Altana, Griv Wade Hampton Altana, Griv Mangaret Miliam Albert, Eugene James Albert, Eugene James Albert, Eugene James B.S. 1946, M.S. 1947, New York B.S. 1946, M.S. 1947, New York B.S. 1948, M.M. 1947. The George Washington University Augusti, Frank Joseph Aller, Milier Agent University Augusti, Frank Joseph Aller, Horder George Washington University Augusti, Anthory Augustine Albert, Eugene Mangaret Austin, Rathory Augustine Austin, Mildred Chandler Austin, Anthory Augustine Austin, Mildred Chandler Austin, Robert Krmeth Austin, Thomas Edwin Austin, Howard Lenoides Auten, Robert Sheley B.S. 1944, Grove City College Bacer, Thomas Jeakins Backer,	A.1.	Va		
B.S. 1946, M.S. 1947, New York University August, Frank Joseph Aust, John Miller B. 1948, Defered Washington University August, Frank Joseph Aust, John Miller Aust, John Miller Aust, John Miller Aust, John Miller Aust, Ash 1948, The George Washington University August, Frank Joseph Aust, John Miller Aust, John Miller B. 1948, The George Washington University Aust, Ash 1948, Washington University Austin, Carroll Wayne Austin, Robert Kenneth Austin, Robert	Atkinson Rush Elizabeth	DC	В	
B.S. 1946, M.S. 1947, New York University August, Frank Joseph Aust, John Miller B. 1948, Defered Washington University August, Frank Joseph Aust, John Miller Aust, John Miller Aust, John Miller Aust, John Miller Aust, Ash 1948, The George Washington University August, Frank Joseph Aust, John Miller Aust, John Miller B. 1948, The George Washington University Aust, Ash 1948, Washington University Austin, Carroll Wayne Austin, Robert Kenneth Austin, Robert	Atkinson Wada Uamatan	DC		9.0
B.S. 1946, M.S. 1947, New York University August, Frank Joseph Aust, John Miller B. 1948, Defered Washington University August, Frank Joseph Aust, John Miller Aust, John Miller Aust, John Miller Aust, John Miller Aust, Ash 1948, The George Washington University August, Frank Joseph Aust, John Miller Aust, John Miller B. 1948, The George Washington University Aust, Ash 1948, Washington University Austin, Carroll Wayne Austin, Robert Kenneth Austin, Robert	Attanan Chinds	DC	Babb, Eugene Campbell	
B.S. 1946, M.S. 1947, New York University August, Frank Joseph Aust, John Miller B. 1948, Defered Washington University August, Frank Joseph Aust, John Miller Aust, John Miller Aust, John Miller Aust, John Miller Aust, Ash 1948, The George Washington University August, Frank Joseph Aust, John Miller Aust, John Miller B. 1948, The George Washington University Aust, Ash 1948, Washington University Austin, Carroll Wayne Austin, Robert Kenneth Austin, Robert	Atlas Retty Ann	1)(Babcock, Margaret Shippen	
B.S. 1946, M.S. 1947, New York University August, Frank Joseph Aust, John Miller B. 1948, Defered Washington University August, Frank Joseph Aust, John Miller Aust, John Miller Aust, John Miller Aust, John Miller Aust, Ash 1948, The George Washington University August, Frank Joseph Aust, John Miller Aust, John Miller B. 1948, The George Washington University Aust, Ash 1948, Washington University Austin, Carroll Wayne Austin, Robert Kenneth Austin, Robert	Atwell Hosses Learn	Dic	Raher, Tames Clyde	Ark.
B.S. 1946, M.S. 1947, New York University August, Frank Joseph Aust, John Miller B. 1948, Defered Washington University August, Frank Joseph Aust, John Miller Aust, John Miller Aust, John Miller Aust, John Miller Aust, Ash 1948, The George Washington University August, Frank Joseph Aust, John Miller Aust, John Miller B. 1948, The George Washington University Aust, Ash 1948, Washington University Austin, Carroll Wayne Austin, Robert Kenneth Austin, Robert	Atword Arthur William	()(1)	Bacchus, Arees British	Juiana
B.S. 1946, M.S. 1947, New York University August, Frank Joseph Aust, John Miller B. 1948, Defered Washington University August, Frank Joseph Aust, John Miller Aust, John Miller Aust, John Miller Aust, John Miller Aust, Ash 1948, The George Washington University August, Frank Joseph Aust, John Miller Aust, John Miller B. 1948, The George Washington University Aust, Ash 1948, Washington University Austin, Carroll Wayne Austin, Robert Kenneth Austin, Robert	Aube Grace Flinghest	11.	B.S. 1947. Howard University	-
B.S. 1946, M.S. 1947, New York University August, Frank Joseph Aust, John Miller B. 1948, Defered Washington University August, Frank Joseph Aust, John Miller Aust, John Miller Aust, John Miller Aust, John Miller Aust, Ash 1948, The George Washington University August, Frank Joseph Aust, John Miller Aust, John Miller B. 1948, The George Washington University Aust, Ash 1948, Washington University Austin, Carroll Wayne Austin, Robert Kenneth Austin, Robert	Aubert Eugene Legen	NI	Bacchus, Habeeb British	Guiana
LL. B. 1943, Southeastern University August, Frank Joseph S. 1943, A.M. 1947. The George Washington University Aust, John Miller A.B. 1948, The George Washington University Aurit, Asthony Augustine Austin, Carroll Wayne Austin, Carroll Wayne Austin, Carroll Wayne Austin, Rohander Austin, Robert Kenneth A.B. 1948, Western Maryland Colloge Austin, Robert Kenneth A.B. 1948, Western Maryland Colloge Austin, Robert Kenneth A.B. 1948, Western Maryland Colloge Austin, Rodand M. A.B. 1948, Western Maryland Colloge Austin, Roland M. Autin, Howard Leonidas Auten, Howard Leonidas Auten, Howard Leonidas Auten, Howard Leonidas Auten, Howard Leonidas Autin, Roland M. Autio, William Arthur B. S. in F.E. 1946, University of Minnesota Aver, Howard Malcolm Aver, Clark Milton A.B. 1938, Berea College Avery, Clark Milton Aver, Howard Malcolm Avery, Clark Milton A.B. 1937, University of Maryland M.S. 1939, The George Washington Aving, Johny Nazario Aver, Zelda Siller Aver, Johny Nazario Aving, Johny Nazario Aver, Ledy, Arthur William Axilrod, Benjamin M. B. E. E. in B.A., The George Washington Aving, Johny Nazario Aving, Benjamin M. B. E. E. 1948, University Aving, Johny Nazario Aving, J	B.S. 1046 M.S. 1048 New York	44.3		
LL. B. 1943, Southeastern University August, Frank Joseph S. 1943, A.M. 1947. The George Washington University Aust, John Miller A.B. 1948, The George Washington University Aurit, Asthony Augustine Austin, Carroll Wayne Austin, Carroll Wayne Austin, Carroll Wayne Austin, Rohander Austin, Robert Kenneth A.B. 1948, Western Maryland Colloge Austin, Robert Kenneth A.B. 1948, Western Maryland Colloge Austin, Robert Kenneth A.B. 1948, Western Maryland Colloge Austin, Rodand M. A.B. 1948, Western Maryland Colloge Austin, Roland M. Autin, Howard Leonidas Auten, Howard Leonidas Auten, Howard Leonidas Auten, Howard Leonidas Auten, Howard Leonidas Autin, Roland M. Autio, William Arthur B. S. in F.E. 1946, University of Minnesota Aver, Howard Malcolm Aver, Clark Milton A.B. 1938, Berea College Avery, Clark Milton Aver, Howard Malcolm Avery, Clark Milton A.B. 1937, University of Maryland M.S. 1939, The George Washington Aving, Johny Nazario Aver, Zelda Siller Aver, Johny Nazario Aving, Johny Nazario Aver, Ledy, Arthur William Axilrod, Benjamin M. B. E. E. in B.A., The George Washington Aving, Johny Nazario Aving, Benjamin M. B. E. E. 1948, University Aving, Johny Nazario Aving, J	Diversity		M.S. 1048. The George Washington	
LL. B. 1943, Southeastern University August, Frank Joseph S. 1943, A.M. 1947. The George Washington University Aust, John Miller A.B. 1948, The George Washington University Aurit, Asthony Augustine Austin, Carroll Wayne Austin, Carroll Wayne Austin, Carroll Wayne Austin, Rohander Austin, Robert Kenneth A.B. 1948, Western Maryland Colloge Austin, Robert Kenneth A.B. 1948, Western Maryland Colloge Austin, Robert Kenneth A.B. 1948, Western Maryland Colloge Austin, Rodand M. A.B. 1948, Western Maryland Colloge Austin, Roland M. Autin, Howard Leonidas Auten, Howard Leonidas Auten, Howard Leonidas Auten, Howard Leonidas Auten, Howard Leonidas Autin, Roland M. Autio, William Arthur B. S. in F.E. 1946, University of Minnesota Aver, Howard Malcolm Aver, Clark Milton A.B. 1938, Berea College Avery, Clark Milton Aver, Howard Malcolm Avery, Clark Milton A.B. 1937, University of Maryland M.S. 1939, The George Washington Aving, Johny Nazario Aver, Zelda Siller Aver, Johny Nazario Aving, Johny Nazario Aver, Ledy, Arthur William Axilrod, Benjamin M. B. E. E. in B.A., The George Washington Aving, Johny Nazario Aving, Benjamin M. B. E. E. 1948, University Aving, Johny Nazario Aving, J	Auer, Frederick John	DC	Empresants	****
All 1948, The George Washington University Austin, Carroll Wayne Austin, Dean Merlo Austin, Dean Merlo Austin, Robert Kenneth Austin, Ro	LL B 1042 Southerness Heimmits	20.0	Bach, Charles Edward	10 13
All 1948, The George Washington University Austin, Carroll Wayne Austin, Dean Merlo Austin, Dean Merlo Austin, Robert Kenneth Austin, Ro	August Frank lough	DC	Bach Emily Frances	N.Y.
All 1948, The George Washington University Austin, Carroll Wayne Austin, Dean Merlo Austin, Dean Merlo Austin, Robert Kenneth Austin, Ro	BS. 1942 AM 1942 The George	20.0	Hachman Helen	Va
All 1948, The George Washington University Austin, Carroll Wayne Austin, Dean Merlo Austin, Dean Merlo Austin, Robert Kenneth Austin, Ro	Washington University		to the Late William Blair	
University Auriti, Anthony Augustine Austin, Dean Merlo Austin, Dean Merlo Austin, Ralph Raymond Austin, Robert Kenneth Austin, Rodney Elmer Austin, Thomas Edwin Bacchtel, Andrew Robert B.S. 1944, Grove City College Bactiner, Thomas Polores Baser, Ioseal Rea Bacchtel, Andrew Robert B.S. 1944, Grove City College Bactiner, Elemore Polores Baser, Ioseal Rea Baser, Ioseal Rea Baser, Ioseal Rea Baser, Ioseal Rea Baser, Islander Johres Base	Aut. John Miller	DC	Baron James Everett, Jr.	
Austin, Carroll Wayne Austin, Carroll Wayne Austin, Dean Merlo Austin, Rolph Raymond Austin, Ralph Raymond Austin, Robert Kenneth Austin, Robert Kenneth Austin, Robert Kenneth Austin, Roband M. Austin, Roland M. Austin, Roland M. Austin, Roband M. Austin, Roland M. Austin, Roband Glaber B.S. University Backer, France Donald Gibson B.S. University of Adelaide, S. Australia Backer, France Robart Backer, Parall Goree Washington W. Backer, Retalloa Robert Backer, Michael Haley Backer, Paralle Goree Washington Wish Backer, Michael Haley Backer, Paralle Goree Out of the Mastalla Marker Backer, Michael Haley Backer, Michael Haley Backer, Paralle Goree Out of the Mastalla Marker Backer, Michael Haley Backer, Michael Haley Backer, Michael Haley Ba		20.	Bauen John George	N.M.
Austin, Carroll Wayne Austin, Carroll Wayne Austin, Dean Merlo Austin, Rildred Chandler Austin, Robert Kenneth Austin, Robert Kenneth Austin, Rodert Kenneth Aus	University		RS in F.S. 1949, Georgetown	
Austin, Robert Kenneth Austin, Roland Elemen Austin, Roland M. Austin, Roland M. Austin, Roland M. Austin, Thomas Jenkins Bacchtel, Andrew Robert B.S. 1944, Grove City College Bact. Daniel Robert Md. Auten, Howard Leonidas Auten, Ila M. Autin, William Arthur B. E. 1946, University B. S. 1946, University of Australia Badger, Thomas Jenkins Backertel, Andrew Robert B.S. 1944, Grove City College Bact. Daniel Robert Bact. Lawton A.B. 1945, The George Washington Autin, University Bagdoyan, Leila Marie Bacg. Isabel Jane Baley, Arthur Duncan, Jr. D.C. Awer, Howard Malcolm A.B. 1931, Stanford University Avera John Lawrence D.C. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur William Va. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur Duncan, Jr. Baley, Catholic University of Maryland Baley, Catholic University of Maryland Baley, Catholic University of Maryland Baley, Kenneth Alexander Baley, Marysaret Leolile D.C. Baley, Marysaret Leonile D.C. Baley, Marysaret Leonile D.C. Baley, Marysaret Leonile	Auriti, Anthony Augustine	DC	Investiv	
Austin, Robert Kenneth Austin, Roland Elemen Austin, Roland M. Austin, Roland M. Austin, Roland M. Austin, Thomas Jenkins Bacchtel, Andrew Robert B.S. 1944, Grove City College Bact. Daniel Robert Md. Auten, Howard Leonidas Auten, Ila M. Autin, William Arthur B. E. 1946, University B. S. 1946, University of Australia Badger, Thomas Jenkins Backertel, Andrew Robert B.S. 1944, Grove City College Bact. Daniel Robert Bact. Lawton A.B. 1945, The George Washington Autin, University Bagdoyan, Leila Marie Bacg. Isabel Jane Baley, Arthur Duncan, Jr. D.C. Awer, Howard Malcolm A.B. 1931, Stanford University Avera John Lawrence D.C. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur William Va. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur Duncan, Jr. Baley, Catholic University of Maryland Baley, Catholic University of Maryland Baley, Catholic University of Maryland Baley, Kenneth Alexander Baley, Marysaret Leolile D.C. Baley, Marysaret Leonile D.C. Baley, Marysaret Leonile D.C. Baley, Marysaret Leonile	Austin, Carroll Wayne		Radanas William Louis	
Austin, Robert Kenneth Austin, Roland Elemen Austin, Roland M. Austin, Roland M. Austin, Roland M. Austin, Thomas Jenkins Bacchtel, Andrew Robert B.S. 1944, Grove City College Bact. Daniel Robert Md. Auten, Howard Leonidas Auten, Ila M. Autin, William Arthur B. E. 1946, University B. S. 1946, University of Australia Badger, Thomas Jenkins Backertel, Andrew Robert B.S. 1944, Grove City College Bact. Daniel Robert Bact. Lawton A.B. 1945, The George Washington Autin, University Bagdoyan, Leila Marie Bacg. Isabel Jane Baley, Arthur Duncan, Jr. D.C. Awer, Howard Malcolm A.B. 1931, Stanford University Avera John Lawrence D.C. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur William Va. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur Duncan, Jr. Baley, Catholic University of Maryland Baley, Catholic University of Maryland Baley, Catholic University of Maryland Baley, Kenneth Alexander Baley, Marysaret Leolile D.C. Baley, Marysaret Leonile D.C. Baley, Marysaret Leonile D.C. Baley, Marysaret Leonile	Austin, Dean Merlo		Ruden Francis DeSales	
Austin, Robert Kenneth Austin, Roland Elemen Austin, Roland M. Austin, Roland M. Austin, Roland M. Austin, Thomas Jenkins Bacchtel, Andrew Robert B.S. 1944, Grove City College Bact. Daniel Robert Md. Auten, Howard Leonidas Auten, Ila M. Autin, William Arthur B. E. 1946, University B. S. 1946, University of Australia Badger, Thomas Jenkins Backertel, Andrew Robert B.S. 1944, Grove City College Bact. Daniel Robert Bact. Lawton A.B. 1945, The George Washington Autin, University Bagdoyan, Leila Marie Bacg. Isabel Jane Baley, Arthur Duncan, Jr. D.C. Awer, Howard Malcolm A.B. 1931, Stanford University Avera John Lawrence D.C. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur William Va. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur Duncan, Jr. Baley, Catholic University of Maryland Baley, Catholic University of Maryland Baley, Catholic University of Maryland Baley, Kenneth Alexander Baley, Marysaret Leolile D.C. Baley, Marysaret Leonile D.C. Baley, Marysaret Leonile D.C. Baley, Marysaret Leonile	Austin, Mildred Chandler	1)("		
Austin, Robert Kenneth Austin, Roland Elemen Austin, Roland M. Austin, Roland M. Austin, Roland M. Austin, Thomas Jenkins Bacchtel, Andrew Robert B.S. 1944, Grove City College Bact. Daniel Robert Md. Auten, Howard Leonidas Auten, Ila M. Autin, William Arthur B. E. 1946, University B. S. 1946, University of Australia Badger, Thomas Jenkins Backertel, Andrew Robert B.S. 1944, Grove City College Bact. Daniel Robert Bact. Lawton A.B. 1945, The George Washington Autin, University Bagdoyan, Leila Marie Bacg. Isabel Jane Baley, Arthur Duncan, Jr. D.C. Awer, Howard Malcolm A.B. 1931, Stanford University Avera John Lawrence D.C. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur William Va. Baley, Arthur Duncan, Jr. D.C. Baley, Arthur Duncan, Jr. Baley, Catholic University of Maryland Baley, Catholic University of Maryland Baley, Catholic University of Maryland Baley, Kenneth Alexander Baley, Marysaret Leolile D.C. Baley, Marysaret Leonile D.C. Baley, Marysaret Leonile D.C. Baley, Marysaret Leonile	Austin, Ralph Raymond	T) (Radner Donald Gibson	ustralia .
Austin, Roland M. Austin, Thomas Edwin Auten, Howard Leonidae Auten, Howard Maric Bacterier, Eleonete Coloree Bacterer, Eleonete Coloree Bacterer, Leonide Robert Auten, Jug45, The George Washington Auten, Jug46, Cathelic University Bacterer, Leonide Robert Auten, Jug46, Cathelic	Alleria D t	DE	R S. University of Adelaide, S.	
Austin, Roland M. Austin, Thomas Edwin Auten, Howard Leonidae Auten, Howard Maric Bacterier, Eleonete Coloree Bacterer, Eleonete Coloree Bacterer, Leonide Robert Auten, Jug45, The George Washington Auten, Jug46, Cathelic University Bacterer, Leonide Robert Auten, Jug46, Cathelic	Austin, Rodney Flores	Md	Australia	
Auten, Robert Sheley E. E. 1940. LL.B. 1948, University of Minnesota Autio, Ila M. Autio, William Arthur B.S. in E. E. 1946, University of Michigan Autio, William Arthur B.S. in E. E. 1946, University of Michigan Autio, William Arthur B.S. in E. E. 1946, University of A.B. 1938, Berea College Avancena, Manuel Claude Avery, Clark Milton Avery, Howard Malcolm A.B. 1931, Stanford University Avery John Lawrence B.S. 1937, University of Maryland A. University Avery John Lawrence B.S. 1937, University of Maryland A. University Avitan, 1950, The George Washington Avitan, Johnny Nazario Avitan, Lohnny Nazario Avitan, Johnny Nazario Avery, Arthur Milliam Avery Lawrence Avitan, Martin Julie, Jr. B.S. in B.A. The George Washington Avitan, Johnny Nazario Avitan, Johnny Nazario Avitan, Johnny Nazario Avitan, Johnny Nazario Avitand, Benjiy Avramit, Joseph Avitan, Johnny Nazario Avitand, Benjiamin M. B. E. E. 1933, M.S. 1934, University Artend, Arthur Allod, Benjiamin M. B. E. E. 1933, M.S. 1934, University Artend, George Clifton Aver, Rathur Duncan, Jr. Baley, Frances C. Baley Frances A. Houst, Glenville College A. Houst, M.S. 1943, University of Maryland Bailey, Kenneth Alexander Bailey, Margaret Allinon Bailey, Margaret Allinon Bailey, Margaret Allinon Bailey, Margaret Locille Aver, Carles Robert Baster, Dacig Rec Mid. A.B. 1945, The George Washington University Bagogona, Leila Marie Bage, Isabel Jane Baster, Lenger Clemet Dolorus M.S. 1945, The George Washington University American America Bater, Loseph American D.C. Baster, Elenneth Robert M.J. M. Baster, Loseph A.B. 1945, The George Washington University American M.S. 1948, Catholic University American M.S. 1948, Catholic University American M.B. 1948, Ca	A.B 10.0 W	Diam.	Dalor Thomas lenkins	
Auten, Robert Sheley E. E. 1940. LL.B. 1948, University of Minnesota Autio, Ila M. Autio, William Arthur B.S. in E. E. 1946, University of Michigan Autio, William Arthur B.S. in E. E. 1946, University of Michigan Autio, William Arthur B.S. in E. E. 1946, University of A.B. 1938, Berea College Avancena, Manuel Claude Avery, Clark Milton Avery, Howard Malcolm A.B. 1931, Stanford University Avery John Lawrence B.S. 1937, University of Maryland A. University Avery John Lawrence B.S. 1937, University of Maryland A. University Avitan, 1950, The George Washington Avitan, Johnny Nazario Avitan, Lohnny Nazario Avitan, Johnny Nazario Avery, Arthur Milliam Avery Lawrence Avitan, Martin Julie, Jr. B.S. in B.A. The George Washington Avitan, Johnny Nazario Avitan, Johnny Nazario Avitan, Johnny Nazario Avitan, Johnny Nazario Avitand, Benjiy Avramit, Joseph Avitan, Johnny Nazario Avitand, Benjiamin M. B. E. E. 1933, M.S. 1934, University Artend, Arthur Allod, Benjiamin M. B. E. E. 1933, M.S. 1934, University Artend, George Clifton Aver, Rathur Duncan, Jr. Baley, Frances C. Baley Frances A. Houst, Glenville College A. Houst, M.S. 1943, University of Maryland Bailey, Kenneth Alexander Bailey, Margaret Allinon Bailey, Margaret Allinon Bailey, Margaret Allinon Bailey, Margaret Locille Aver, Carles Robert Baster, Dacig Rec Mid. A.B. 1945, The George Washington University Bagogona, Leila Marie Bage, Isabel Jane Baster, Lenger Clemet Dolorus M.S. 1945, The George Washington University American America Bater, Loseph American D.C. Baster, Elenneth Robert M.J. M. Baster, Loseph A.B. 1945, The George Washington University American M.S. 1948, Catholic University American M.S. 1948, Catholic University American M.B. 1948, Ca	Austin, Roland M	DC		Pa.
Autic, Robert Sheley B.E. E. 1940, LL.B. 1948, University of Minnesota Autic, Ila M. Autic, William Arthue B.S. in E.E. 1946, University of Michigan A.B. 1948, Berea College Avancena, Manuel Claude Avery, Clark Milton A.B. 1931, Stanford University Avery John Lawrence B.S. 1937, University of Maryland University Avigaone, Martin Julie, Jr. B.S. in B.A., The George Washington Aviet, John Lawrence Aviet, Chaire Robert Autic, William A.B. 1931, Stanford University Avery John Lawrence B.S. 1937, University of Maryland University Avigaone, Martin Julie, Jr. Aviet, Chaire Robert Aviet, Chaire Robert Aviet, Chaire Robert Aviet, Chaire Robert Balley, Frances C. Balley, Joseph Footney D.C. Balley, Frances C. Balley, Kathrine Ann A.B. 1936, University of Maryland Balley, Kenneth Alexander Balley, Leslie Fidel A.B. 1933, M.S. 1934, University Artell, George Clifton Aver, Relaxander Balley, Margaret Allison Balley, Margaret Allison Balley, Margaret Allison Balley, Margaret Lacille Via	Austin, Thomas Edwin		RS 1044 Grove City College	
B.E.E. 1946, LL.B. 1948, University of Minnesota Autio, William Arthur B.S. in E.E. 1946, University of Michigan Auvil, Carl Edward A.B. 1948, Berea College Avancena, Manuel Claude Avery, Howard Malcolm A.B. 1931, Stanford University B.S. 1931, Stanford University Avery John Lawrence B.S. 1937, University of Maryland M.S. 1939, The George Washington A.B. 1931, University of Maryland M.S. 1939, The George Washington Avid, Johnny Nazario Avid, Emily Avid, Avid, Avid, Avid, Avid, Avid, Avid, A			Par Daniel Robert	D.C
of Minnesota Autio, Ila M. Autio, William Arthur B.S. in E.E. 1946, University of Michigan Awaren, Manuel Claude Avery, Howard Malcolm A.B. 1931, Stanford University Arery John Lawrence B.S. 1937, University of Maryland A.B. 1931, Stanford University B.S. 1937, University of Maryland A.B. 1931, Stanford University Avery John Lawrence B.S. 1937, University of Maryland A. University Avida, Johnny Nazario Avida, Martin Julie, Jr. B.S. in B.A. The George Washington Avida, Johnny Nazario Avida, Calida Siller Avida, Emily Avida, Johnny Nazario Avida, Calida Siller Avida, Calida Siller Avida, Calida Siller Avida, Calida Siller Avida, Johnny Nazario Avida, Calida Siller Avida, Johnny Nazario Avida, George Washington Avida, Johnny Nazario Avida, George Martin Julie, Jr. Avida, Johnny Nazario Avida, Johnny Nazario Avida, Johnny Nazario Avida, George Mashington A.B. 1948, Catholic University Baley, Carthur William A.B. 1948, Catholic University America Baley, Arthur William Baley, Carthur William A.B. 1948, Catholic University America Baley France A.B. 1948, Catholic University America Am		0.00	Beer Joseph Rea	
Autio, William Arthue B.S. in E.E. 1946, University of Michigan A.B. 1948, Berea College Avancena, Manuel Claude Avery, Clark Milton A.B. 1951, Stanford University Avery, Howard Malcolm A.B. 1951, Stanford University B.S. 1957, University of Maryland University Avery John Lawrence B.S. 1957, University of Maryland University Avigaone, Martin Julie, Jr. A.B. 1950, The George Washington Avia, John Lawrence Avid, Emily Avramik, Joseph Avid, Emily Avramik, Joseph Axida George Mashington Axidrod, Arthur Axilrod, Arthur Axilrod, Benjamin M. B.E.E. 1933, M.S. 1954, University Artenic, George Mashington Axidion, M.S. 1954, University Axida Gillie Axida Gi	B.E.E. 1940 II R total University	28343	Bantaner Henrie Dolores	
Autio, William Arthur B. S. E. L. 1946, University of Michigan Auvil, Carl Edward A. B. 1918, Berea College Avancena, Manuel Claude Avery, Howard Malcolm A. B. 1931, Stanford University Avery John Lawrence B. S. 1937, University of Maryland M. S. 1939, The George Washington Avid, Johnny Nazario Avid, Emily Avid, Berea Archard, Archur Arilinod, Benjamin M. B. E. E. 1933, M.S. 1934, University Artell, George Clifton Aver, Raise Conn. Bailey, Actholic University of Maryland N.Y. Bailey, Leslie Fidul A. B. 1044, M.S. 1943, University of Maryland N.C. Bailey, Margaret Allison Bailey, Margaret Allison Bailey, Margaret Lacille Vancous Archur Argaret Lacille Aver, Raise Conn. A.B. 1948, Catholic University of Margarety of Maryland Amily Archard Felix Bagley, Actholic University of Maryland Archard, S. 1948, Catholic University of Maryland Archard, S. 1937, University of Maryland N.C. Bailey, Kenneth Alexander Bailey, Margaret Allison Bailey, Margaret Allison Bailey, Margaret Lacille Vancous Archur William Va. A. 1934, University of Maryland No. Bailey, Margaret Lacille Aver, B. 1948, Catholic University of Margarety of Maryland Archard, Catholic University of Margarety of Margarety of Maryland Bailey, Margaret Lacille Aver, B. 1948, Catholic University of Margarety of Margarety of Margarety of Margarety of Margarety E. A. B. 1948, Catholic University of Margarety of Marga	of Minnesota	A.	Datemer, Lacinest Lord	MJ.
BS. in E.E. 1946, University of Michigan Auvil, Carl Edward A.B. 1938, Berea College Avery, Clark Milton Avery, Howard Malcolm A.B. 1931, Stanford University D.C. Baley, David LL.B. 1948, Catholic University of America Barley, David LL.B. 1948, Catholic University of America Barley, Edmund Felix Baley, Arthur Duncan, Jr. Baley, Arthur Duncan, Jr. Baley, Arthur William D.C. Baley, Arthur William D.C. Baley, Arthur William D.C. Baley, Arthur William D.C. Baley, France D.C. Baley, France Anting Johns, The George Washington Avida, Johnny Nazario Avida, Johnny Nazario Avida, Johnny Nazario Avida, Johnny Nazario Avida, Lenily Avida, Johnny Nazario Avida, Baley, Kathrine Ann A.B. 1948, Catholic University of Maryland Railey, Kathrine Ann A.B. 1931, Catholic University of Maryland N.C. Baley, Kathrine Ann A.B. 1948, Catholic University of Maryland Railey, Kathrine Ann A.B. 1948, Catholic University of Maryland Railey, Kathrine Ann A.B. 1948, Catholic University of Maryland Railey, Kathrine Ann A.B. 1948, Catholic University of Maryland Railey, Kathrine Ann A.B. 1948, Catholic University of Maryland Railey, Kenthal Julia, M.S. 1943, University of Maryland N.C. Mich. A.B. 1948, Catholic University of Maryland Railey, Kenthal Julia, M.S. 1943, University of Maryland N.C. Mich. A.B. 1948, Catholic University of Maryland Railey, Maryland N.C. Mich. A.B. 1948, Catholic University of Maryland N.C. Baley, Maryland N.C. Mich. A.B. 1948, Catholic University of Maryland Railey, Maryland Conn. America Anterioa, Irahur William N.Y. A.B. 1948, Catholic University America Baley, Arthur William N.Y. Baley, Arthur William N.Y. Baley, Arthur William A.B. 1948, Catholic University America Baley, Arthur William Anterioa, Arthur William A.B. 1948, Catholic Un	Autio, Ila M.	3.	Dagle The George Washington	
Michigan Auvil, Carl Edward A.B. 1918, Berea College Avancena, Manuel Claude Avery, Clark Milton A.B. 1918, In 1918 D.C. Avery, Howard Malcolm A.B. 1931, Stanford University B.S. 1937, University of Maryland M.S. 1939, The George Washington Avigaone, Martin Julie, Jr. B.S. in B.A., The George Washington Avila, Johnny Nazario Avi	The state of the s	TO 21	13-invesion	
Auvil, Carl Edward A.B. 1938, Berea College Avancea, Manuel Claude Avery, Clark Milton A.B. 1931, Stanford University Avery John Lawrence B.S. 1937, University of Maryland M.S. 1937, University of Maryland Avience, Martin Julie, Jr. B.S. in B.A., The George Washington Avience, Martin Julie, Jr. B.S. in B.A., The George Washington Avience, Martin Julie, Jr. Avianone, Martin Julie, Jr. B.S. in B.A., The George Washington Avience, Martin Julie, Jr. Avience, Martin Julie, Jr. Md. B.S. in B.A., The George Washington Avience, Martin Julie, Jr. Avianone, Martin Julie, Jr. Avian		40.11	Darles Laile Marie	D.C.
A.B. 1918. Berea College Avancena, Manuel Claude Avery, Clark Milton A.B. 1931. Stanford University Avery John Lawrence B.S. 1937. University of Maryland A.B. 1931. The George Washington Avia, Disposition Puerto Rico Avid, Emily Avranik, Joseph Avid, Emily Avid, Candon Arthur Avid, Candon Arthur Avid, Candon Mass Axido Candon Ax	Michigan		Dagooyan, Lena mark	W.Va
Avery Howard Malcolm A.B. 1931, Stanford University Avery John Lawrence M.S. 1937, University of Maryland M.S. 1939, The George Washington Avigaone, Martin Julie, Jr. B.S. in B.A., The George Washington Avila, Johnny Nazario Allingan Bailey, Kenneth Alexander Bailey, Kenneth Alexander Bailey, Leslie Fidel A.B. 1014, M.S. 1943, University of Maryland N.C. Mich. A.B. 1014, M.S. 1943, University of Maryland N.C. Bailey, Kenneth Alexander Bailey, Margaret Allinon Bailey, Margaret Lucille Va. Bailey, Margaret Lucille Va. Bailey, Margaret Lucille Va. Bailey, Margaret Lucille Avery Bailey, Margaret Lucille	Auvil, Carl Edward	307 3/4	Daggs, Habel Jane	Conn.
Avery Howard Malcolm A.B. 1931, Stanford University Avery John Lawrence M.S. 1937, University of Maryland M.S. 1939, The George Washington Avigaone, Martin Julie, Jr. B.S. in B.A., The George Washington Avila, Johnny Nazario Allingan Bailey, Kenneth Alexander Bailey, Kenneth Alexander Bailey, Leslie Fidel A.B. 1014, M.S. 1943, University of Maryland N.C. Mich. A.B. 1014, M.S. 1943, University of Maryland N.C. Bailey, Kenneth Alexander Bailey, Margaret Allinon Bailey, Margaret Lucille Va. Bailey, Margaret Lucille Va. Bailey, Margaret Lucille Va. Bailey, Margaret Lucille Avery Bailey, Margaret Lucille	A.B. 1918, Beren College	W.VA.	Dagley, David Catholic University of	
Avery Howard Malcolm A.B. 1931, Stanford University Avery John Lawrence M.S. 1937, University of Maryland M.S. 1939, The George Washington Avigaone, Martin Julie, Jr. B.S. in B.A., The George Washington Avila, Johnny Nazario Allingan Bailey, Kenneth Alexander Bailey, Kenneth Alexander Bailey, Leslie Fidel A.B. 1014, M.S. 1943, University of Maryland N.C. Mich. A.B. 1014, M.S. 1943, University of Maryland N.C. Bailey, Kenneth Alexander Bailey, Margaret Allinon Bailey, Margaret Lucille Va. Bailey, Margaret Lucille Va. Bailey, Margaret Lucille Va. Bailey, Margaret Lucille Avery Bailey, Margaret Lucille	Avancena, Manuel Claude	n.c	LL.B. 1948, Catalant Canada	
Avery Howard Malcolm A.B. 1931, Stanford University D.C. Balley, Arthur Duncan, Jr. B. 1931, Stanford University D.C. Balley, Arthur Milliam Va. D.C. Balley, Arthur Milliam D.C. Balley, Frances A.R. 1931, University M.C. Balley, Frances D.C. Balley, Frances A.R. 1934, West Virginia University Tenn Avery Lealier Fidel A.B. 1945, University of Maryland Balley, Kenneth Alexander Balley, Kenneth Alexander D.C. Balley, Frances A.R. 1934, University of Maryland Balley, Kenneth Alexander Balley, Kenneth Alexander Balley, Lealier Fidel A.B. 1943, University of Mich. A.B. 1943, University of Mich. A.B. 1943, University of Maryland Balley, Lealier Fidel A.B. 1943, University of Maryland Balley, Margaret Allinon Balley, Margaret Allinon Balley, Margaret Allinon Balley, Margaret Locille D.C. Balley, Arthur Milliam Va. D.C. Balley, Arthur Julies D.C. Balley, Frances A.R. 1943, University of Maryland N.C. Balley, Margaret Allinon Balley, Margaret Locille D.C. Balley, Arthur Duncan, Jr. D.C. Balley, Arthur Milliam Va. Old Minnesota A.B. 1944, University of Maryland Balley, Margaret Allinon Balley, Margaret Locille	Avery, Clark Milton	D.C	that a R desired Wales	
Avignone, Martin Julie, Jr. B.S. in B.A., The George Washington Avila, Johnny Nazario Avnet, Zelda Siller Avramik, Joseph Avramik, Joseph Arland, Benjamin M. B.E. 1933, M.S. of Minnesota Artell, George Clifton Averanik, George Clifton Averanik, Joseph Ann. N.Y. B.E. 1933, M.S. of Minnesota Artell, George Clifton Averanik, George Clifton Averanik, Joseph Artell, George Clifton Artell, George Clifton Averanik, Joseph Artell, George Clifton Averanik, Joseph Ann. A.B. 1046, University of Maryland Bailey, Kenneth Alexander Bailey, Leslie Fidel Mich. A.B. 1044, M.S. 1043, University of Minnesota Artell, George Clifton Averanik, Joseph Artell, George Clifton Averanik, Joseph A.B. 1046, University of Maryland Bailey, Margaret Allison Bailey, Margaret Lucille D.C. Bailey, Margaret Lucille Va.	Wery, Howard Malcolm	Calif.	D. Landau Duncan Is	D.C
Avignone, Martin Julie, Jr. B.S. in B.A., The George Washington Avila, Johnny Nazario Avnet, Zelda Siller Avramik, Joseph Avramik, Joseph Arland, Benjamin M. B.E. 1933, M.S. of Minnesota Artell, George Clifton Averanik, George Clifton Averanik, Joseph Ann. N.Y. B.E. 1933, M.S. of Minnesota Artell, George Clifton Averanik, George Clifton Averanik, Joseph Artell, George Clifton Artell, George Clifton Averanik, Joseph Artell, George Clifton Averanik, Joseph Ann. A.B. 1046, University of Maryland Bailey, Kenneth Alexander Bailey, Leslie Fidel Mich. A.B. 1044, M.S. 1043, University of Minnesota Artell, George Clifton Averanik, Joseph Artell, George Clifton Averanik, Joseph A.B. 1046, University of Maryland Bailey, Margaret Allison Bailey, Margaret Lucille D.C. Bailey, Margaret Lucille Va.	A.B. 1931, Stanford Hairmain	Carri	D. Jan Ambur William	D.C
Avignone, Martin Julie, Jr. B.S. in B.A., The George Washington Avila, Johnny Nazario Avnet, Zelda Siller Avramik, Joseph Avramik, Joseph Arland, Benjamin M. B.E. 1933, M.S. of Minnesota Artell, George Clifton Averanik, George Clifton Averanik, Joseph Ann. N.Y. B.E. 1933, M.S. of Minnesota Artell, George Clifton Averanik, George Clifton Averanik, Joseph Artell, George Clifton Artell, George Clifton Averanik, Joseph Artell, George Clifton Averanik, Joseph Ann. A.B. 1046, University of Maryland Bailey, Kenneth Alexander Bailey, Leslie Fidel Mich. A.B. 1044, M.S. 1043, University of Minnesota Artell, George Clifton Averanik, Joseph Artell, George Clifton Averanik, Joseph A.B. 1046, University of Maryland Bailey, Margaret Allison Bailey, Margaret Lucille D.C. Bailey, Margaret Lucille Va.	Don Lawrence	DC	D. Jan Roscha James	Va.
Avignone, Martin Julie, Jr. B.S. in B.A., The George Washington Avila, Johnny Nazario Avnet, Zelda Siller Avramik, Joseph Avramik, Joseph Arland, Benjamin M. B.E. 1933, M.S. of Minnesota Artell, George Clifton Averanik, George Clifton Averanik, Joseph Ann. N.Y. B.E. 1933, M.S. of Minnesota Artell, George Clifton Averanik, George Clifton Averanik, Joseph Artell, George Clifton Artell, George Clifton Averanik, Joseph Artell, George Clifton Averanik, Joseph Ann. A.B. 1046, University of Maryland Bailey, Kenneth Alexander Bailey, Leslie Fidel Mich. A.B. 1044, M.S. 1043, University of Minnesota Artell, George Clifton Averanik, Joseph Artell, George Clifton Averanik, Joseph A.B. 1046, University of Maryland Bailey, Margaret Allison Bailey, Margaret Lucille D.C. Bailey, Margaret Lucille Va.	D.S. 1937, University of Manufact		Ba et perria james	D.C.
Avignone, Martin Julie, Jr. B.S. in B.A., The George Washington Avila, Johnny Nazario Avnet, Zelda Siller Avramik, Joseph Avramik, Joseph Arland, Benjamin M. B.E. 1933, M.S. of Minnesota Artell, George Clifton Averanik, George Clifton Averanik, Joseph Ann. N.Y. B.E. 1933, M.S. of Minnesota Artell, George Clifton Averanik, George Clifton Averanik, Joseph Artell, George Clifton Artell, George Clifton Averanik, Joseph Artell, George Clifton Averanik, Joseph Ann. A.B. 1046, University of Maryland Bailey, Kenneth Alexander Bailey, Leslie Fidel Mich. A.B. 1044, M.S. 1043, University of Minnesota Artell, George Clifton Averanik, Joseph Artell, George Clifton Averanik, Joseph A.B. 1046, University of Maryland Bailey, Margaret Allison Bailey, Margaret Lucille D.C. Bailey, Margaret Lucille Va.	M.S. 1939. The Germa Washington		123 T.L. C. T. TLIEB Lendon c	D.C.
B. S. in B.A., The George Washington Avila, Chany Nazario Aviet, Zelda Siller N.Y. Avramik, Joseph Antelrod, Arthur Akilrod, Arthur Akilrod, Penjamin M. B.E. E. 1933, M.S. of Minnesota Antelrod, Arthur Aliford, George Clifton Aveloga Correct Avmand Antelrod, Arthur Aliford, Penjamin M. B.E. L. 1933, M.S. of Minnesota Antelrod, Arthur Antell, George Clifton Aveloga Clifton Aveloga Clifton Aveloga Clifton Pensiller Fidal Alice And 1934, University of Maryland N.C. Mich. Alice Alice Fidal Alice And S. 1943, University of Minnesota Antell, George Clifton Aveloga Clifton Antelloga C	A University			W Va
Awid, Emily Awramik, Joseph Axelrod, Arthur Azilrod, Benjamin M. B.E. E. 1933. M.S. 1934. University Axtell, George Clifton Aydinian, George Clifton Aye, Ralations of Alexander Average Clifton	Doone, Martin Julia In	2.6.1	Bailey, Frank	
Awid, Emily Awramik, Joseph Axelrod, Arthur Azilrod, Benjamin M. B.E. E. 1933. M.S. 1934. University Axtell, George Clifton Aydinian, George Clifton Aye, Ralations of Alexander Average Clifton	B.S. in B.A., The Garren Washings	NEG.	1 R 1011, Gienville College	2 -
Awid, Emily Awramik, Joseph Axelrod, Arthur Azilrod, Benjamin M. B.E. E. 1933. M.S. 1934. University Axtell, George Clifton Aydinian, George Clifton Aye, Ralations of Alexander Average Clifton	Auth University	ONL	Y W 1045 Mest Autinity Outsers	Tenn
Awid, Emily Awramik, Joseph Axelrod, Arthur Azilrod, Benjamin M. B.E. E. 1933. M.S. 1934. University Axtell, George Clifton Aydinian, George Clifton Aye, Ralations of Alexander Average Clifton	Avenue Johnny Nazario	Di	Baley, Joseph Fortune	
Ave, Rainh Corge Avmand NV Basley, Marguerite E.	Awid Felda Siller	MICO WICO	Baley, Kathrine Ann	i D.C
Ave, Rainh Corge Avmand NV Basley, Marguerite E.	Awrenity	Canal.	A.B. 1946, University of Marylan	NO
Ave, Rainh Corge Avmand NV Basley, Marguerite E.	Azelcod A Joseph	Managa	Bailey, Kenneth Alexander	44.00
Ave, Rainh Corge Avmand NV Basley, Marguerite E.	Aziltod Pethur	W. S.	Bailey, Leslie Fidul	
Ave, Rainh Corge Avmand NV Basley, Marguerite E.	BE E Benjamin M.	37.	A.B. 1014. M.S. 1942, University	OI
Ave, Rainh Corge Avmand NV Basley, Marguerite E.	of M. 1933. M.S. 1934 University	va.	Michigan	
Ave, Rainh Corge Avmand NV Basley, Marguerite E.	Aztell Chanesota	3	Bailey, Margaret Allison	
Ave, Rainh Corge Avmand NV Basley, Marguerite E.	Aydinian Clifton	D.	Balley, Margaret Lucille	· D.C.
M.S. 1941. Northwestern University D.C. Bailey, Richard Lake Md Bailey, Walter, Jr. Md	Ave. Rainh Ci	NV	Badey, Marguerite E.	
Bailey, Walter, Jr. Md	M.S. John Claston	D.C	Balley, Richard Lake	
Dailey, Water, Jr.	1941. Northwestern University	D.C	Bailey Walter, Jr.	Md
	- Carvery	.,	arenty; ve arent, ye.	

Bailey, William Alfred	Tex.	Balaker, Basil Charles	Pa
LL.B. 1948, The George Washington	n a	Balavage, Albert Alphonsus B.S. 1947, University of Pennsylvan	D.C.
University	DC	B.S. 1947, University of Pennsylvan	D.C.
Bailey, William Vero Bailey, Wilma Alethea B.S. in Ed. 1904, State Teachers College, California, Pa.	D.C.	Baldadian John	D.C.
RS in Ed 1044 State Teachers	2:10.	B.S. 1948, Georgetown University	Va.
College California Pa		Baldenson, Leroy Robert Baldi, Fiorenza Henrietta	D.C.
Bailey, Wilma Blanche	DC.	Baldrick, Olga Turansy	Pa.
Baiman, Jerome	D.C.	Baldridge, Reid	Md.
Bain, Cody	Va	A.B. 1948, The George Washington	
Baines, Dorothy	D.C.	University	D.C.
B.S. 1948, The George Washington		Baldwin, Charles Adams Baldwin, Don Mervin Balwin, Donald W.	Mich.
University Bair, William Benton	Pa	Balwin, Donald W	Va.
Baird, Donald Benson	Pa.	Baldwin, Franklin Hunter	Va.
A.B. 1948, University of Pittsburgh		Baldwin, Franklin Hunter Baldwin, Jesse Clyde Baldwin, Robert Buckingham Baldwin, William Augustus	Va.
Baird, Glenn Dean	D.C.	Baldwin, Robert Buckingham	N.J.
B.S. 1944, University of Oregon		Baldwin, William Augustus	N.J.
Baird, Keith Dwight	Colo	Bale, Ruth	Ky.
Baisey, Thomas Grey, Jr.	DC DC	B.S. 1939, Northwestern University Balentine, William Robert	Md.
Baisinger, Grace C Bakeman, Robert Atherton	Md.	Rulian Mars	Mass.
A.B. 1932, Middlebury College	PARCS.	Balinger, Richard King	Va.
Baker, Annette Cinn	D.C	Balinger, Richard King Balkany, Robert Ball, Charles Emmett	France
B.S. in Ed. 1940, New York State Teachers College of Buffalo		Ball, Charles Emmett	D.C.
Teachers College of Buffalo		Ball, John Wade, Jr.	D.C.
Baker Arnold Stephen	Maine	B.S., LL.B. 1946, University of	
Baker, Charles Clare Baker, Chester Argus B.S. 1010, University of Missouri	Calif Mo.	Oklahoma Ball Joseph Lames	Md.
RS toto University of Missouri	, b3().	Ball, Joseph James Ball, Kenneth, Jr. Ball, Marillyn Alice	W.Va.
Baker, Clara M	N.C.	Ball, Marillyn Alice	S.C.
Baker, Constance	Pa	Bulla, Michael Philip	Pa.
Baker, David William	Md	Builance, James Orlan Ballard, Carl Clive	Ohio
B.S. in M.E. 1943, University of		Ballard, Carl Clive	Wash.
Maryland	1. 6.	Ballard, Dorothy Anne A.B. 1944, Whitman College	
Baker, Donald Lawrence Baker, Dolores Myrna	110	Ballard, Ralph Campbell	D.C.
Baker. Dorothea Anna	N.Y. D.C. D.C.	Balli, Carl Eugene	Fla.
A.B. 1947, LL.B. 1948, The George		Ballivian, Jorge Adolfo	D.C. Va.
Washington University		Ballivian, Jorge Adolfo Ballowe, Glen H.	Pa.
Baker, Edward Welch	De	Baloga, Aloys Joseph	D.C.
Baker, George Sumners	Okla	Balogh, Stephen Elmer, Jr.	D.C.
Baker, Gloria Jeannette	DC	Balon, Alfred Joseph Baltes, Rita Geraldine	D.C.
Baker, Glwynn Robinson	(hio	Balzer, Clayton Paul	Ind.
B.S. 1948, Purdue University Baker, Harold Fred	NH.	Balzer, Dorothy Theresa	D.C.
Baker, Harold Leon	Term	Bamver, Elizabeth Marshall	Pa.
Daker, Harry Leko	()ala.	Bamford, David Ellery Bancroft, Raymond Lowell Band, Philip Theodore	D.C.
A.B. 1047. The George Washington		Bancroft, Raymond Lowell	D.C.
University	83.63	Band, Philip Theodore	
Baker, Jack Baker, Jean Baker, Lester Elwood	DC.	A.B. 1045. The George Washington University	44 -
Raker Lester Flygod	Pa	Randley Marion Karl	Utah
Daker, Louis Kobert	DC	A.B. 1940. Brigham Young University	Md.
B.S. in Ed. 1940, State Teachers		Bangham, Richard Edward	D.C.
B.S. in Ed. 1940, State Teachers College, Superior, Wis		Bangs, Virginia Lee	Calif
Baker, Marvin Claude Baker, Rex Harding	Kv.	Bangs, Virginia Lee Banker, Robert Darrell Banker, Sally Bower Banko, Andrew Banka Minnia	D.C.
Baker, Marvin Claude	Md.	Banker, Sally Bower	Pa.
AR 1048 University of California	111.	Banks, Minnie	D.C.
A.B. 1948, University of California at Los Angeles		Bannon, Raymond Giles	Cons.
Baker, Robert Clifford	Wash.	Bannowsky, Clarence James, Jr.	Va. Pa.
A.B. 1948, University of Minnesota		Barachman, Bruce MacDonald	2.0.
Baker, Sherman Alexander	Va	A.B. 1919. Allegheny College	D.C.
B.S. 1935, Marquette University Baker, Thomas Lockerbie Baker, Waldon Lee	51.0	Barasha, Theresa Marie	Md.
Raker Waldon Lee	D C Pa.	Baratta, James Carrol	D.C.
Baker, William Albert Ir.	Va.	Barb, Marian Lester	D.C.
Baker, William Clinton	DC.	Barbelle, Joseph Francis	D.C.
Baker, William Albert, Jr. Baker, William Clinton Baker, William Harold	111.	Barber, Alvin Barton	D.C.
Bakke, Frances Irene	DC.	Dushua Aluin Thumas	-
Bakke, Norris Conroy, Jr.	Md.	B.S. 1931, Susquehanna University	Fla-
A.B. 1946, Colorado College		Barber, Charles Farmer	

		n. Chialus Vine	Ala.
Barber, Frederick Willard	Calif.	Barnett, Ethelyn King Barnett, Frances Kerr	D.C.
A.B. in Gov. 1941, The George Washington University		A B. 1912. Meredith College	21.31
Rashington University	Calif.	Barnett Frank	N.Y.
Barber, John Raymond, Jr.	Carri.	Barnett, Frank Barnett, Helen McConnell	¥ 2.
A.B. 1941, Whitman College Barber, Lloyd Morris	Ala	AB 1947, The George Washington	
Parper, Max McCallin	Tenn.		D.C.
Darber, Robert Archie	Fla	Barnett, Robert Alexander Barnett, Timmas Mather	1)(
Par Dera, Anthony Ferdinand	Md.	Barnett, Phoficas Mariner	D.C. D.C.
Darbieri, Louis Joseph	N.Y.	Barnhard, James Dale Barnhart, Arthur Gooding	DC.
B.B.A. 1940, College of the City of New York		Barnhart, C. Paul	Md.
Barbour And Al T	Va.	AB 1010 Lebanon Valley College MS in Ed 1943, University of	
Barbour, Arthur Alexander, Jr. Barbour, Mary Jane	Va.	MS in Ed 1943. University of	
Barbour, Robert Ellwood	Tenn.		Va.
O.D 1048 Diversity of Laborates		Barnsley, Richard Souder	Va.
and the ICK. William Innies	Mass	Bur athouse, Darwitt Collier	N.Y.
	D.C.	Baroff, George Statue) B.S. 1948. The George Washington	
Barefoot, Julius Jackson Barefoot, Verna Young	D.C. N.C. N.C.	Linkers ()	
Be Verna Young	NC.	D Forence Catherine	NJ.
E.V. 1930, University of Cincinnati		Barotz, Dario LL B. 1979, Harvard University Barr, Flizabeth Hivita B.S. 1971, University of Nebraska	1)(
M.S. 1945, University of Chicago	DC.	LL B 1040, Harvard University	Nebr.
		Barr, Elizabeth Flyira	
		Barr, Elizabeth Elivia B.S. 1741, University of Nebraska Barr, Joseph Frederick Barr, Sofomon Elizem	1.
	Fla	Barr, Joseph Frederick	De
	Md	Barr, Solomore Frem	N 1.
	Md	Barrasso Joseph Vitor so Barrett, Annabel Lombard Record College	1)(
	N.M.	A B 1 ver Barrard College Barrett, Beverly Mae	
Barinott, Jeanne Frances B.S. 1947, Pennsylvania State College	D.C.	Barrett, Beverly Mae	DC
Barish, Benjamin I	Mich.	\$2 ptr 1 1 at 1 At 1	DC
B.S. in E.E. 1946. Illinois Institute	DEBONDO.	Barrett, John Manshall	DC.
p. of Technology			1, 0
Barish, Benjamin J. B.S. in E.E. 1946, Illinois Institute of Technology Barish, Joseph	Pa.	B.S. 1917. United States	
Backer Bonnie Jeanne	D.C	Barriston Oscar Dewey	Conn
Barish, Joseph Barker, Bonnie Jeanne Barker, Ernest Lester Barker, James Earl Barkey, Richard Earle Barkin, Gilbert Donald Barkman, William Ernest	2 1	Barrington Privils El zabeth	D.C.
Barkey, Richard Fools	D.C.	Floreign W I am Island	Pa
Barkin, Gilbert Donald	D.C.	Be total State leathers College,	
Barkman, William Ernest		Fast Str. isburg 12	DC
4-1, D. 1021 3 D 1 1		Barron, Norman Eugene Barron, Paul Jerome	Pa.
	-	Barron, Paul Jerome	1)(
Barkow M. Lan.		Barrow, Claude Arnold	1!!
Barkow, Mearl Marietta Barksdale, Edward Marcellus	Minn	Barrow, Jack Washington University Barrow Name et Wreeler, Jr.	
A B 10.0 Marchins	\ a.	Marian Samuel Marcher It.	Md
A B. 1948. University of Virginia Barlow, Shirley	Mass	Barry Frances Holen A B. total Dunbarton College of	DC.
Barmby, John Glennon	12.	AB 1944 Dunbarton College of	
A B 1944. Middlebury College B S 1944. Middlebury College of Tecthology Barnaby Martha Holmes Barnard, Annie Laurie Barnard, Richard Paul	9 41.	Holy Cross Barry, John Lames Barry, John Juseph, Jr Barry, John Patrick	1
3 1944. Manach setts Institute		Barry, July Lattics	la la
Barnahy 38		Barry, John Juseph. Jr	DC DC
Barnard Anniha Holmes	R.I.	Barry, John Patrick	DC
Barnard, Richard Paul	Md.	Barry, John William Barry, Robert Barry, Thomas Anthony	1)(.
	Mich.	Barry, Robert	13
Barnes Barnes 1947, University of		B I homas ratioons	1)(
	DC	Barsky Cvr !	12
Barnes, Donald Frederick Barnes, Duard Roof	Md.	Barson, David	106.
Darnes E	Ariz.	Barrelloni, Henry John Barrelloni, Henry John Barrello, William John Barrelloni, Henry John	Mass
Barnes Holand Oakes	13	Barrels, William John	NY DC
Barnes, Howard Emerson B.S. 1935, University	[)(But Car' l'enture	Fa
BS. 1988 Hainerson	Md.		
Darnes 1 Children of Florida		B.S. in 11 1.17. Bloomsburg Stat	
Addition labor to	Va.	Beatle Barrel	DC
Darnes E ' ' Clicin Maryland Coll	Md	Bartik, R. o and Bartkowski, Forence	(14 0
	D (Busier Budani	12
Barnes, Kyle Dalton Barnes, Robert Francis	Ala.	Bartlett, Dorsey Juseph	11 11
Barnes, Snell Hardin	Va.	Bartlett, Dorsey Joseph Bartlett, Eleanor Althea	Co.n.
Parnes, Virginia C	III.	B.S 104: Survey College	nc.
Darnett, Charles Maxwell	DC	Barriett Gladys Red B.S. 1944. Wilson Teachers Colle	ee .
Barnes, Robert Francis Barnes, Seell Hardin Barnes, Virginia C. Barnett, Charles Maxwell	Cnio	B.S. 1944. Wilson reachers Com	

			201
Durles Dishard C	MJ.	Baudelaire, Nicole	Md
Bartlett, Richard C.	D.C.	B.S. 1948, McGill University Bauer, Frederick Albert	
Bartlett, William Hugh	5.0	Pause Feederick Albert	DC
Bartlett, William Hugh Bartley, James Hamilton Barton, Charles Edwin	D.C.	Dayer, Frederick Albert	D.C N.J N.Y
Bucton Charles Edwin		Bauer, Hugh Bernard	21 1
A.B. 1934, Juniata College A.M. 1940, The George Washington		Bauer, Jerome Bauer, John Joseph Ph. B. 1925, Brown University Bauer, Mary Graybill	M. E
A.B. 1934, Juniata Conega		Bauer John Joseph	Va
A.M. 1940, The George Washington		Dh R 1005 Brown University	
iniversity		Ph.D. 1935, Diown Chivernity	Md
Barton, Victor Ewing Barton, William Jacob	Va.	Bauer, Mary Graybill	JUST
Darton, victor assemb	MJ.	Bauer, Richard Arthur	D.C
Barton, William Jacob		Bauerachmidt Garen William	D.C
Raccom Howard W	Md.	Bauernschmidt, George William Bauers, Frank William	Ton
A.B. 1934. Earlham College A.M. 1936. Syracuse University		Bauers, Frank William	Tex
A.M. cook Successed University			Ma
A.M. 1910. Syracuse Outsersty	83.0	M.D. sass The George Washington	
Baruch, Blanche Josephine B.S. 1943, Wilson Teachers College	D.C.	M.D. 1944, The George Washington University	
RS tots Wilson Teachers College		University	-
D.S. 1943, Wilson Standard	N.Y.	Baughman, Charles William	Pa
Baruch, Maurice Jacques	24.9.	H. Amela Puth	Md
B.S. 1035. College of the City of		Bassenight, William Cooper, Jr.	Va
New York		Banknight, William Cooper, Jr,	-
Daniel Ind Dichard	Md.	B.S. 1942, University of Virginia Baum, Norman	-
Darwick, Joer Kichard	D.C.	Raum Norman	Pa
Barwick, Leonard	Dit.	A D O D I He investiga	
Basarab, Stephen	Pa.	A.B. 1948, Duckness University	DC
Barwick, Joel Richard Barwick, Leonard Basarab, Stephen Baskam, Anne Layton Basham, Frances Alma Bashore, Marilyn Jean Basile, Anthony Stephen	Va.	A.B. 1948, Bucknell University Baum, Ralph Lindsay	D.C D.C S.D
Darkers Frances Alma	Va.	Haum, Stanley Harold	D.L
passam, France ruma	2/1	Bauman, Carl Robert	SD
Bashore, Marilyn Jean	Md.	Daumini, Carl Kobert	D.C
Basile, Anthony Stephen	D.C.	Bauman, Carol P. Bauman, Frank Henry, Jr.	310
Baskin Robert F.	Wa	Bauman, Frank Henry, Ir.	D.C
Basham, Frances Ama Bashore, Marilyn Jean Basikin, Anthony Stephen Baskin, Robert E., Sakin, William Maxwell	Va.	Rauman Jerome Mossis	D.C
Baskin, William Maxwell Baslini, Franca Baslini, Francesco	700	Bauman, John Lee	Mahr
Radini, Franca	D.C. D.C. D.C.	Bauman, John Lee	Wa
Baslini Francesco	D.C.	Raumann Charles S	-0
Danial, a lancenco	DC	Baumana Docothy Class	D.C
Bass, Charles Alvin Bass, Charles White	2.0.	Baumann, Dorothy Clare Baumann, Edward Norman Ralph	D.C N.Y Va
Bass, Charles White	Tenn.	Baumann, Edward Norman Kaipa	Va
Rese Marrin William	D.C.	Baumann, Robert Coile	-0
A D Commo Washington		Baumann Robert Guster	D.C
Bass, Marvin William A.B. 1048, The George Washington		Baumann, Robert Gustav B.S. University of North Carolina	
University Basta, John William		B.S. University of North Carotine	D.C
Rusta John William	Md.	Baumboltz, Herman	Va
P.S. sons State Teachers College		Baumgardner, Fanning Miles	V.
D.S. 1934, State statues Consequi		D.C. save Vissinia Polymerhaic	
B.S. 1934, State Teachers College, Mansfield, Pa.		B.S. 1943. Virginia Polytechnic	
Bastek, John Anthony	Course.	Institute	NY.
Bastian, David Charles	D.C.	Baumgarten, Irene	N.Y. D.C.
Bastian, David Charles A.B. 1948, University of Maryland Bastos, Merces	-	Baumgarten, Stephen Harvey	N. 8.
A.D. 1948, University of Maryland	DO	Daningaries, Stephen Limitely	D.C
Bastos, Merces	D.C.	Bauroth, Leonard Arthur	B.f.d.
Batalo, George	W.Va.	Baus, Donald Eugene	Pa
Dark Jan Dana Abbett	Mass.	Baus, Richard Albert	La
Batchelder, Dana Abbott		Daus, Kichard Albert	
A.B. 1948, The George Washington		B.S. 1937, Lebanon Valley College	Md.
University Batease, John Charles		B.S. 1937, Lebanon Valley College Bausell, Charles William	D.C.
Batanes John Charles	Md.	Rausell Marthy Flinsboth	D.C
Dateste, John Control	D.C.	Bausell, Martha Elizabeth Baxa, Edmund Theodore	N.C. D.C.
Bateman, William Raphael	D.C.	Daxa, Edmund Incodore	N.C.
Bates, Charles Conrad	Md.	Baxley, Paul Everett	DC
Bates Dorothy May	Ky.	Rayter Mary Jane	E SOL
Bates, Charles Conrad Bates, Dorothy May A.B. 1937, Western Kentucky State Teachers College		Baxley, Paul Everett Baxter, Mary Jane Baxter, Maud Neilson	Pa.
A.D. 1937, Western Rentucky State		Daxter, Madd Nellion	111.
Teachers College		Bay Daul Conceant	Mo.
Bates Prederick Leison	Va.	Bayer, Jacob Weller Bayles, Barney Elishia Baylinson, Richard Norman	Mo.
Bates, George Byron Bates, Helen Bates, Ward Pendleton	Md.	Rayles Rayney Elishia	21.1
Dates, George Dyron		Dayles, Darney Elisnia	NJ.
Dates, Fleten	Va.	Baylinson, Richard Norman	Md.
Bates, Ward Pendleton	Md.	Baylor, Walter Robert	
AR 1010 Trinity College		D.C. soan University of Mary and	Va.
A.B. 1939, Trinity College Batey, Thomas Overton	D.C.	Baylor, Walter Robert B.S. 1947, University of Maryland Baynard, Ernest Cornish	
Datey, a nomas Overton	Bull - Was	Baynard, Eznest Cornish	Va.
	DC	Bayon, Harry	N.Y.
	DC	Bayon, Harry	N.Y.
	DC	Bayon, Harry	N.Y.
	DC	Bayon, Harry	
	DC	Bayon, Harry	
	DC	Bayon, Harry	
	DC	Bayon, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Onconta Beach, David Jerome	Md. D.C.
	DC	Bayon, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Onconta Beach, David Jerome	Md. D.C.
A.B. 1948, Columbia University Bathory, Joseph Patrick Batkin, Josephine Batley, Beverley Anae A.B. 1948, The George Washington University	D.C. D.C. N.Y. Va.	Bayon, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Onconta Beach, David Jerome	Md. D.C. Va.
A.B. 1948, Columbia University Bathory, Joseph Patrick Batkin, Josephine Batley, Beverley Anae A.B. 1948, The George Washington University	D.C. D.C. N.Y. Va.	Bayon, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Onconta Beach, David Jerome	Md. D.C. Va. Miss.
A.B. 1948, Columbia University Bathory, Joseph Patrick Batkin, Josephine Batley, Beverley Anae A.B. 1948, The George Washington University	D.C. D.C. N.Y. Va.	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Beach, David Jerome Beach, Elmo A.B. 1945, University of Missouri Beach, George R.	Md. D.C. Va. Miss.
A.B. 1948, Columbia University Bathory, Joseph Patrick Batkin, Josephine Batley, Bewerley Anne A.B. 1948, The George Washington University Batson, Clifton Jenka Batson, David Royal	D.C. D.C. N.Y. Va.	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Bench, David Jerome Reach, Elmo A.B. 1945, University of Missouri Beach, George R. Reach Hidden	Md. D.C. Va. Miss.
A.B. 1941, Columbia University Bathory, Joseph Patrick Batkin, Josephine Batley, Beverley Anne A.B. 1948, The George Washington University Batson, Clifton Jenks Batson, David Royal Batson, Donald Purdy	D.C. D.C. N.Y. Va.	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Beach, David Jerome Beach, Elmo A.B. 1945, University of Missouri Beach, George R. Beach, Jacob Hildon Beacham Samuel Timothy, Jr.	Md. D.C. Va.
A.B. 1948, Columbia University Bathory, Joseph Patrick Batkin, Josephine Batley, Bewerley Anne A.B. 1948, The George Washington University Batson, Cliton Jenks Batson, David Royal Batson, Donald Purdy Battaile, William George	D.C. D.C. N.Y. Va.	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Beach, David Jerome Beach, Elmo A.B. 1945, University of Missouri Beach, George R. Beach, Jacob Hildon Beacham Samuel Timothy, Jr.	Md. D.C. Va. Miss. D.C. D.C.
A.B. 1948, Columbia University Bathory, Joseph Patrick Batkin, Josephine Batley, Bewerley Anne A.B. 1948, The George Washington University Batson, Cliton Jenks Batson, David Royal Batson, Donald Purdy Battaile, William George	D.C. D.C. N.Y. Va.	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Beach, David Jerome Beach, Elmo A.B. 1945, University of Missouri Beach, George R. Beach, Jacob Hildon Beacham Samuel Timothy, Jr.	Md. D.C. Va. Miss. D.C. D.C.
A.B. 1948, Columbia University Bathory, Joseph Patrick Batkin, Josephine Batley, Bewerley Anne A.B. 1948, The George Washington University Batson, Cliton Jenks Batson, David Royal Batson, Donald Purdy Battaile, William George	D.C. D.C. N.Y. Va. N.C. D.C. D.C. D.C. D.C. D.C.	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Beach, David Jerome Beach, Elmo A.B. 1945, University of Missouri Beach, George R. Beach, Jacob Hildon Beacham Samuel Timothy, Jr.	Md. D.C. Va. Miss. D.C. D.C.
A.B. 1941, Columbia University Batbory, Joseph Patrick Batkin, Josephine Batley, Beverley Anne A.B. 1948, The George Washington University Batson, Clifton Jenks Batson, David Royal Batson, Donald Purdy Battaile, William George Battaimi, Alberto Enrique Battain, Victor	D.C. D.C. N.Y. Va. N.C. D.C. D.C. D.C. C.C. C.C. C.C. C.C	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Beach, David Jerome Beach, Elmo A.B. 1945, University of Missouri Beach, George R. Beach, Jacob Hildon Beacham Samuel Timothy, Jr.	Md. D.C. Va. Miss. D.C. D.C.
A.B. 1941, Columbia University Bathory, Joseph Patrick Batkin, Josephine Batley, Beverley Anne A.B. 1948, The George Washington University Batson, Cliton Jenka Batson, David Royal Batson, Donald Purdy Battaile, William George Battaimi, Alberto Enrique Battani, Victor Battani, Hugh Nash	D.C. D.C. N.Y. Va. N.C. D.C. D.C. D.C. C.C. C.C. C.C. C.C	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Beach, David Jerome Beach, Elmo A.B. 1945, University of Missouri Beach, George R. Beach, Jacob Hildon Beacham Samuel Timothy, Jr.	Md. D.C. Va. Miss. D.C. D.C.
A.B. 1941, Columbia University Bathory, Joseph Patrick Batkin, Josephine Batley, Beverley Anne A.B. 1948, The George Washington University Batson, Cliton Jenka Batson, David Royal Batson, Donald Purdy Battaile, William George Battaimi, Alberto Enrique Battani, Victor Battani, Hugh Nash	D.C. D.C. N.Y. Va. N.C. D.C. D.C. D.C. C.C. C.C. C.C. C.C	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Beach, David Jerome Beach, Elmo A.B. 1945, University of Missouri Beach, George R. Beach, Jacob Hildon Beacham Samuel Timothy, Jr.	Md. D.C. Va. Miss. D.C. D.C. Va. Va. Va.
A.B. 1941, Columbia University Batbory, Joseph Patrick Batkin, Josephine Batley, Beverley Anne A.B. 1948, The George Washington University Batson, Clifton Jenka Batson, David Royal Batson, Donald Purdy Battaile, William George Battain, Alberto Enrique Battani, Victor Batten, Hugh Nash Battin, James Franklin	D.C. D.C. N.Y. Va. N.C. D.C. D.C. D.C. Calif. W.Va. Va.	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Beach, David Jerome Beach, Elmo A.B. 1945, University of Missouri Beach, George R. Beach, Jacob Hildon Beacham Samuel Timothy, Jr.	Md. D.C. Va. Miss. D.C. D.C. Va. Va. Va.
A.B. 1941, Columbia University Batbory, Joseph Patrick Batkin, Josephine Batley, Beverley Anne A.B. 1948, The George Washington University Batson, Clifton Jenks Batson, Donald Purdy Battaile, William George Battaile, William George Battain, Alberto Enrique Battain, Victor Batten, Hugh Nash Battin, James Franklin Battini, James Franklin Battinin, James Franklin Battinin, James Franklin Battinin, James Franklin	D.C. D.C. N.Y. Va. N.C. D.C. D.C. D.C. Calif. W.Va. Md.	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Beach, David Jerome Beach, Elmo A.B. 1945, University of Missouri Beach, George R. Beach, Jacob Hildon Beacham Samuel Timothy, Jr.	Md. D.C. Va. Miss. D.C. D.C.
A.B. 1941, Columbia University Batbory, Joseph Patrick Batkin, Josephine Batley, Beverley Anne A.B. 1948, The George Washington University Batson, Clifton Jenka Batson, David Royal Batson, Donald Purdy Battaile, William George Battain, Alberto Enrique Battani, Victor Batten, Hugh Nash Battin, James Franklin	D.C. D.C. N.Y. Va. N.C. D.C. D.C. D.C. Calif. W.Va. Va.	Bayron, Harry Bayreuther, Florence Elizabeth A.B. 1939, New York State Teachers College, Oneonta Bench, David Jerome Reach, Elmo A.B. 1945, University of Missouri Beach, George R. Reach Hidden	Va. Miss. D.C. D.C. Va. Va. Va.

Beall, Elizabeth Ann	1) (*	Bedke, Herman Earl	Idaho
Beall, Harry Spurgeon Beall, John Nman, Jr. Beardmore, Waiter Harvey	DC.	B.S. 1741, University of Utah Beebe, William Boxell	
Beall, John Niman, Jr.	1 4.	Beebe, William Boxell	D.C.
B. Bardmore, Walter Harvey	Md.	A.B. in Gov 1946. The George	
	NY.	A.B. in Gov. 1946. The George Wash texton University	Va.
Bearss, Dale Ward Bearsey, Channing Ernest Bearley Channing Ernest	Mach.	Beebe, William Dow	Pa.
	III.	Beccher, John Joseph	1 A.
Beasley, Jess Lee	Tex.	A.B. 1940, University of Pentissavania	
A.B. 1916, Phillips University M.S. 1941, University of Oklahoma Beasley, Mary Jane	Er C.	Reemin Deedward Arthur	Mass.
MS 1941, University of Oklahoma		Beeman, Dredward Arthur A B 1,441, Harvard University M D 1047, Boston University	
Beasley, Mary Jane Beasley of Oklahoma	Va.	MD 1947, Boston University	
Beatty, Alta Mae Beatty, Alta Mae Beatty, Burton Faul	DC.	Beers John Sturges	DC.
Beatty, Alta Mac	DC.	Keers Stephen Lee	.\].
Beatty, Burton Paul	N. Y.	Beese, Edward Thomas	Oreg.
B.S. in C.E. 1944, Virginia Military			Va.
LLB 1948. Fordham University Beatty, George Calvin Beatty, Harry Bartton		A B 1915, North Central College Beeson, North Central College	Va.
Beatty, George Calam University	Va.	Beeson, Sidney Mc Nelli	Tex.
Beatty, Harry Bartton	2 4 /19	Deets, Kaymony Kov	Ga.
A.B. 1048 The Course III 11	D.C.	Res or Lames Joseph	Pa.
Beatte Washington		Bey ex Joseph Thomas	D.C.
	Ohio	AB 1916, Fordham University	
Bests, Jack S	DC	AM 1918, Co' imbia University	
Beatte B. Ralph	D.C.	Bel ane, Mary Joseph ne	Pa.
Beatty, Jack S Beatty, Jack S Beatty, Jay Ralph Beatty, Richard Wendland Beatty, Vennon LeRoy Beaucham, Leatty	Va. Pa	AB 1922, Seron Hill College	
Beauchamp John Di it	Pa	Behling, John Lawrence, Jr.	N.Y.
Beauch Dean LeRoy Beauch Dean John Phillip, Jr. A B 1046. Brown University	R.I.	Besser, James Joseph Besser, Joseph Thomas A B 1910. Fordhom University A M 1918. Colombia University Behane, Mary Joseph ne A B 1922. Seton Hill College Behling, John Lawrence, Jr. A B 1948. The George Washington	
	Va.	D. I. II II V	Mo.
Beaver, Arbatus Beaver, Caro, Westbrook Boaver, Caro, Westbrook Boaver, Caro, Westbrook Boavers, Vingenia Lee	W.Va.		Md
Bar Westbrook	\ a	B : ! ! And	DC.
be were latence levier	DIC	Be : loron In frem	Ohio
	1) (DC. DC.
BS Lewis Kaspur	DE.	Berre Berry K' rz	DC.
BS 1954. United States Military		Bove' Berry K'rz Bove' Robert Joseph	DC
		Bein Rate!	DC.
Bechtoldt, Clet is Joseph	Ind.	Beilman, Robert Allen	D.C.
Bechtoldt, Clet is Joseph	111.	Beilstein, Christian William	D.C.
Beck, Emanuel Arthur	N.Y.	Reimford Louis A	Ohio
1. The George Washington	n	BS in BA 1948, Miami Universit Beisel Edward Lincoln	7
		Heisel L. Iward Lincoln	Mo.
Box. 1922. University of Texas	D.C.	Beke Steven	DC.
Beck, Herbert Valentine Beck, Huwo Michael		Belinder William Alfred	D.C.
Beck, John Albard	Va.	Belart Bernard Brian	DC.
Beck John Albert	DC	Belbin, Charles Terhune	N.Y.
Beck, John Albest Beck, John Fidward B.S. 1948. The George Washington	Md.	Bellin, Charles Techune Belline, Philip George Bellien, Arthur W. J. ams. Ir	Ala.
B.S. 1948. The George Washington	10# 7	Bellen, Arthur Will ams, Jr. Bellen, Thomas Graham, Washington	Mich.
Beck, John Herist		B.S. 1945. The George Washington	INTICAL.
Beck, John William Beck, Mary Elizabeth Beck, Rose Euna	Pa.	1 13 mt a 1 f 37	
Beck, Rose Euna	Va	Belew Raymond Fulton	DC.
		Beile, Harry Cartelon	DC. SC.
The state of the s	N.Y.	AB 1943, Wofford College	
Becker P. Washington		A B 1943. Wolford College Bell, Colley Wood Jr	NY.
Becker, Eugene Joshua A.B. 1048	1.1.	AB 194", Princeton University	
	D.C.	Bell, Daniel Harrity	Va.
A.B. Deten Marie Becker, Joseph Maryland College	D.C.	Bell, Donald Raymond	Kans.
Berker Joseph And	DC	AB 1945 College of Wooster	-
Becker, Martin Charles	DC	Bell, Edward Leros	Olive
Be Robert Ranney	DC	BS in ME 1946, Illinois Institute of Technology	te
Becker, Joseph Agula Becker, Joseph Agula Becker, Becker, Robert Stanley Beckett, Robert Raymond Beckett, Robert Lea	185	D-II E-I-	DC.
Berli	Md	Bell Correct Baratio	Va.
Beckett Sie Westfall Beckler Sermon Beckman Gordon W.d.	111	Bell, Esther Bell Forcest Horatio Bell Gerald Iswan	DC
Beckman, Gordon Walter Beckwith, Mittian Cases	DC.	Ra'l House Wesley Ir	Mass
Beckwith, Thomas Cases	Mil	Bell, Howard Wesley, Jr. Bell, Ivan Francis	\ a.
Real Carence Ed. arson, Jr.	N.I.	Bell, James Maione	DC
Beskwith Mitton Cases Beskwith Thomas Larson, Jr. Berlind, Lyan Wesley B.B. 1948, 119		AB 1945. University of California	1
1941, University	DC	Bell, Jav Richard	Utah
B.S. 1941, University of Missonry		Bell, Jean Alice	D.C.

			Ky.
Bell, John Murphy	Okla.	Bennett, Warfield Clay, Jr.	101.
BS. in A.E. 1933. University of		B.S. 1916, United States Navai	
Oklahoma		Academy Bennett, William Andrew Bennett, William Batchelder	N.Y.
Oklahoma	D.C.	Bennett, William Andrew	
Bell, Joseph Thomas	D.C.	Bennett, William Batchelder	1 4.
Bell, Rollin Meredith Bell, Walter Fuller, Jr. Bell, William Salisbury	D.C.	B.S. 1016, University of New	
Bell, Walter Fuller, Jr.	Md.		
Bell, William Salisbury		AM 1916. Ph D 1941, Louisiana	
Beliak, Juseph Whichael	D.C.	State University	_
Bellamah, Frederick Joseph	D.C.	State University Bennett, William Tapley, Je. A.B. 1937, University of Georgia Benning, James Miller	Ga
Beller, Israel	D.C.	Bennett, William Lapley, Jr.	
Bellis, Tom	Mo.	A.B. 1937, University of October	Calif
AB 1929, Southeast Missouri State		Benning, James Miller	Md.
College		Bennington, Helen Annette	
A.M. 1931, University of		BS 1947, University of Aventyland	DC
A.M. 1931, University of		Bennsky, George Michael	Di
J.D. 1948, The George Washington		Report George Campbell	Md
J.D. 1948, The George Washington			1010
DISPESITY	Va.	A.B. 1933, Lehigh University Benson, Carol Elisson	50
Bellomy, Bruce Ben Bellows, Edna Walter	9.7-	Benson Carol Ardens	D.C
Bellows, Edna Walter	27 1/	Person Carol Elisson	Va
Beimont, Mary Louise	N.Y.	Benson, Carol Eliason Benson, Clair Frank	Maine
Reloff Abraham Philip	D.C.	Benson, Clair I faith Callege	
Below Marraret Colbeck	D.C.	A.B. 1913, Colby College	Calif.
Balann Mae Goldie	D.C.	A.B. 1913, Colby College Benson, Flord W.	
Belson, Mae Goldie Belt, Charles Vernon	DC.	AB 1911, Stanford University	13
Belt, Lloyd Kenneth	N.Y. D.C. D.C. D.C. D.C.	AB 1013, Stanford University Benson, Harriette Miller	D.C
	Md.	Benson, Jacque Marine BS 1947, Utah State Agricultural	
Belt, Osburn S		BS 1947, Utah State Agricultural	
A.B. 1943, Allegheny College M.C.S. 1947. Dartmouth College		(ollere	Md
M.C.S. 1947, Dartmouth Conege	W Va.	The same of the same	
Deltz. Joseph Francis	Mass.	A.B. 1940, East Carolina Teachers	
Belyea, Byard Charles	TAVMOD.	College	171
BS 1916, University of them		Benson, Mildred	DC
Hammshire		Denson, Minutes	., ,
MS in Ed 1940, Boston		Benson, Paul BSC 1942, University of North	
University	DC	B S C 1942, Chiveliney of	1/3
Banacios Cientes	D.C.	Dakota	12
Ranbanak I willa l'anek	Va.	Benson, Virginia B	
Bender, Howard Walter	Pa.	AB 1936, College of William	- 0
Bender, Paul Ferdinand	Del.		111
Bender, Paul Ferdinand B. E. F. 1947. University of Delawar Benedict, James Thomas Benedict, Thomas Reilly Benedict, Chycles Henry	e	Benson, William Ewell	DC
Br. F. 1947, Chiveliney of Land	Ind.	Benson, William Ewell	1/2
Benedict, James I nomas	N.Y.		
Benedict, I homas Kelliy	D.C.	AB 1948, Eastern Nazarene	
Beneman, Charles Henry	2.0.	College	380
A B. 1944. A.M. 1947. The George		and the state of t	
Washington University	R.T.	A B 1040. Mount Holyoke College	
Bengtson, Ernest Raymond		A.M. 1942, Southwestern University	pc
Benington, Orchard	Va.	A.M. 1941, 300th	Wis.
Benit, Henry Junior	La.	Benz, Rosert Paul	DC
The Line say Mint Dr.	D.C.	Beran, Henci Lance	51
AB 1948. The George Washington		Berdaus, Richard John	11/2
University		Berenson Mendelle Jourover	Lie
D Dahar Sarall	Mich.	Recenton Solomon Martin	11,0
Benjamin, Robert Serell		Berg, Fother Libby Berg, Karl Joseph	pppp.
AB 1942, Albion College	N.Y.	Berr Karl Joseph	
Benjamin, Vernon Edgar Benkovic, Simon Edward	Pa.	Bare Lonella VIIIIEF	pc
Benkovic, Simon Edward	Maine	Berg, Martin Donald	DC
		Derg. Martin Polision	Va.
A.M. 1948, The George Washington	1	Berg William Marston	D.C
AM. 1948, The George Washington University	Va.	Bergbom, Frank Vincent	pc
Bennet, Joseph Campbell, Jr		Bergen, Willis, Ir	
Bennett, Armee L.	Kans.	Barman William SF	1,9
Bennett, Ann Rutherford	W Va.		1
AB 1919. Gomher College		Berger, Alfred Edward BBA 1940, College of the City	
Bennett, Flizaberh S	N.Y.	of New York	Pa
Bennett, Harry Baten	N.Y. D.C		
Bennett, Joan Kathleen	Pa.	Berger, Arthur Joseph AB 1948, Bo knell University	pc
Bennett, Kenneth	DC	7 B 1945. 10 knen	113
Bonnett Kannath Chaster	Va	Berger, Bernard Versimi	
Bennett, Kenneth Chester	Ohio	Berger, Betty Carolyn A B 1018 Mount Holyoke College	e pc
Bennett, Kenneth Homer	Conn	A B TOTA MINISTER	pi
Bennett, Kenneth Melvin	Va	Berger, 170000000	17
Bennett, Milton Orene	D.C.	Berger Florence Bernice	DC
Hennett Raiph herry	DC	Berger Martin	Pa
Bennett, Rebeira	1)(Berger, Samuel Morris	DI
Bennett, Ross Stanley Bennett, Vercille Leonard	D.C. D.C.	Proper Thomas Tibot	
Bennett, Vercille Leonard	D.C.	Berger, Thomas Tibor	

Berglund, Ralph Vincent	Minn.	Bers, Melvin K.	D.C.
		A B. 1943. A.M. 1948, The George	
Bergman, Melvin John Bergman, William Hunter Bergmann Frederick Louis	D.C.	Washington University	
Bergman, William Hunter	D.C.	Bersey, Joseph Bernard	N.J.
Bergmann, Frederick Louis	D.C.	Bersey, Joseph Bernard Berson, Harold Raiph	Nev. D.C.
A.B. 1917. Washborn College		Berthold, Heinz Alfred Berthold, Herbert Kurt	DC.
A B. 1917. Washborn College A M. 1939, State College of		Berthold, Herbert Kurt	D.C.
		Bertola, Hugo John	Mich.
Bergmann, Robert T.	Md.	AB. 1945. University of Michigan	DC.
BS in E.E. 1943, University of		Bertolint, Ernest Paul Bertram, Clarence Russell Besdine, Lillian Besier, Rudolph	Md.
Bergren, Orville Vernon	Mich.	Resident Lillian	D.C.
B S.C. 1940, University of North	Mitch.	Besier Rudolph	D.C
Dakota Dakota		Besoner, Jacob	D.C.
Dergatein Canala	D.C.	Bessman, Alice Neuman	N.J.
	Md.	A.B. 1941, Smith College	
	Pa.	Bessman, Samuel Paul	N.J.
Tatiey, Kandolph Castes Vo	Va.	Bessman, Samuel Paul M.D. 1944. Washington University	
A United States Navai		Best, Crossett Mitchell	AIK.
Berkey Lavar		B 5 1917. University of Alabama	21.25
Berkey, Josephine Ann A.B., 1911, Indiana University Berkow, Morton Donald	D.C.	Best, Harold Lloyd	NY. N.C.
Berkow, Morton Donald	20	Best, Lee James	M.C.
D. S. 10.6 P. 11 1 20 1 11	D.C.	AB 1919. Duke University Best, Pear! Frances	Va.
Rock College			Okla.
Der KOWIII 2 I AND	Pa.	Bethel, Marion Ann Bettendorf, Valerie	Minn.
		Ratte Anne Hobbs	D.C.
Berkowitz, Leonard L.	N.Y.	B.S. 1943, Cornell University Betts, Matilda Hobbs	2.0.
Berkowitz, Leonard Moses	N.Y.	Betts, Matilda Hobbs	D.C.
A.B. 1940, Brooklyn College Berlanstein, Jean Bernice		A.B. 1947. Vassar College	
Berlin Jean Bernice	DC.	Betzler John Kichard	Va.
Berliner II	Va	Beve' 10a Charles Angelo B.M.E. 1946, University of	Pa.
Berlinsha 7 Jack	D.C.	B.M.E. 1946, University of	
Berlinsky, Stanley Louis Rerman, Harold L.	D.C.	Pittsburgh	247 57
Berman, Harold John	DC.	Beverage Ruth Margaret	W.Va. Vt.
BS 1948 Georgeons Hair	DC.	Bevins Roswell Morton Bevis Charles Vann	Fla
BS 1948. Georgetown University	NY.	Bevis Charles Vann	D.C.
	o Rico	Beyen, Karel Herman LL M 1948, University of	D.C.
Bernardy, John Edward	D.C.	Amsterdam	
Berndtson, Arthur Henry Berne, William	Va.	Bialek, Robert	D.C.
Berne, William	D.C.	Rialek Stanley Morris	D.C. D.C.
Berner, John Thomas Bernot, Joseph John	Pa.	Bialek, Stanley Morris Bialek, Teddy	D.C
Bernot, Joseph John Bernst, Louis Conrad Bernstein, Cherley	Pa.	Biasini, Adolph Paul	Pa. Va.
Bernste, Louis Conrad	NY.	Bibb Lawrence Clayton	Va.
Bernstein, Charles Nathaniel BS 1939, College of the City	DC.	Biddle, Maurice Francis	Calif.
	20.	Bie Rita Marie	Fla
Bernstein, Jerome Leonard		Bieslerbach, Herbert Edward	Calif.
	NY.	Biemans Anthony Peter	DC
erernstein he	Pa	Biemans Anthony Peter Bienia, Walter John Bierly Jack Stealton	Md
LI. B 1910 LI Joseph	NY.	Bierly Jack Stealton	Md.
	k	AB 1041 MS in Ed 1042, University of Maryland	
Bernstein, Norman		Risely Robert Fourt	Md
Bernstein, Paul	D.C.	Bierly, Robert Foust A.B. 1941 University of Maryland	
Bernstein, Philip Harris	D.C.	Bierwagen, Walter John	Md.
R. Stanley Range	DC.	Biesemeier, Harold Woodall	Md.
Bernstein, Philip Harris Bernstein, Stanles Bestram Berquist, George Paul	N.Y.	B.S. 1940, United States Naval	
	Mass	Academy	
	III.	Bietz, John R.	Va.
		Bietz, John R. A B 1027 Union College	
	Md.	Biggs Joseph Daniel	DC
Della Ca Calabour	D.C.	Biggs Joseph Daniel A.B. 1940, East Carolina Teachers	
Derry tr Trellan	Md	College	
	N.C D.C	Bikonski John Adam	Pa
Derra ba carrie alline		B 'dahl, Wayne Lawrence	III.
Delle D. Trento	111.	Bi' 'man, A''ene	DC
Berry, Seymour Berry, Zelland	Pa	Bil naki Chester Frank	111
Doron to Smooth	Ohio N Y	Biller, Charles Mayo	Va.
Berry, Zelda Bertha Berryman, Richard St		Biller Paul Scanley	NY.
Berryman, Richard Blaxton, Jr.	D.C.	Billhimer, William Henry	Md
	D.C.	Billick, Eugene Wycoff	D.C.

			N.Y.
Billings, Dorothy Louise	Va.	Bishop, William Robert	D.C.
B.S. 1936, Farmville State Teachers College, Va.		Bisicar, Aaron	D.C.
College, Va.	Md.	Biskar, Marvin Bissett, James Earnest	D.C.
Billings, Nancy Deve	III.	Bittermann, Kathleen Studdart	Adina.
Billings, Virginia Kuth	111.	Bittner, Steve	N.Y.
Billingsley, Charles Marion	Ark.	D 1 Dan Dussell Ve	Md.
Billingsley, Edward Baxter B.S. 1932, United States Naval		A R 1042 Bridgewater College	Ores-
		Biorge, lames Robert	Ot and
A.M. 1947. Northwestern University		B.S. 1947, United States Marin	
Rillingsley Hilds Calling	D.C.	Academy	Mins.
Hillingsley Patrick Faul	8.D.	Bjorklund, Otto Edward Black, Albert Arthur	Ill.
B.S. 1948, United States Naval		Ulash Chaster Albert	D.C.
Academy	Pa.	B.C.S. 1948, Southeastern University	D.C.
Bilohlavek, Andrew John, Jr.	Va.	Black George	Va.
Biloon, Robert Francis	D.C.		
Bilski, Albert Stanley Bilski, Clement Floyd	Pa.	B.S. in E.E. 1940, University	
Buckley James William	Md.	South Carolina	D.C.
Binckley, James William Binder, Albert	D.C.	Black, Harry	NJ.
	N.Y.	Black, Hiram Day	49-
	Pa.	A.B. 1944, Yale University Black, John Thomas	Ala-
Binder Samuel Sholotti	8.44	B.S. 1946, LL.B. 1949, University	7
A.B. 1945, Marietta College	Mo.	of Alabama	p.C.
Bingle, Edmund Joseph Binion, Vernon Emory	Fla.	Direk Deckel	
Binion, Vernon Emory	Mich.	A.B. 1933. College of William and	
Binney, Arthur Fremont Binney, George Thomas	Mass.	Mary	
Binzel, Gloria Miller	Ky. D.C.	A.M. 1939, Middlebury College	Mich.
	D.C.	Black, Sam Lewis Black, Thelma Carolyne	D.C.
A.B. 1941, Texas State College		Blackburn Greenry ames	Va.
A.B. 1941, Texas State College for Women	Conn.	Blackburn, Gregory James Blackman, Audrey Leonard	
Biram, James Raymond Vale University	Commi	B.S. 1947, Pennsylvania State College Blackmon, E. B.	D.C.
Biram, James Raymond B.S. in C.E. 1947, Yale University Birchner, Carl Joseph Brand The George Washington	D.C.	Blackmon, E. B.	- 0
B.S. 1940, The George Washington		A.B. 1936, John Brown University	J
University	-	Blackmore, Helen Mauda	Md.
Bird, George Bynoth, Jr.	Pa.	Blackmon, E. B. A.B. 1936, John Brown University Blackmore, Helen Maude Blackwell, Albert Turner A.B. 1948, University of Maryland	D.C.
Bird, James Frederick	D.C.	Blackwell, Robert Lee	lows
Bird, James Frederick Bird, William Lawrence	D.C.	Blackwood, Freda C.	V2-
Divided John Edmand	D.C.	Blacuer, Channing Davis	N.Y.
AR 1945, LL.B. 1947, 186 00018	8		
Washington University	Ohio	A.B. 1942, LLB, 1947, Cornell	00
Birkemeier, Myron Louis Birkicht, Betty Bernics	Mo.	University	D.C.
Riemingham Alfred Nelson	Md.	Blair, Thomas Calvin B.S. 1947, University of Michigan	Maine
Birmingham, Alva Constance	Va.	B.S. 1947, University of Island	Va.
Birmingham, Alva Constance Birmingham, Henry Patrick	R.J.	Blaisdell, Franklin David Blake, Bannard	Tex-
A.B. 1942, Rhode Island College of		Blake, Earl Wade	177 0
Education	D.C.	A.B 1917, Hardin-Simmons	D.C.
Birmingham, Thomas Harlan Birnbaum, Eugene Albert Birnbaum, George	Ohio	Blake, Ernest Ward	
Birnbaum, Eugene Albert	N.Y.	Blake, George Francis	Colo. D.C.
A.B. 1941, Brooklyn College Birns, Robert S.		Blake, Geraldine A.	Mass.
Birne Robert S	N.Y.	Blake, Harry Thomas	Va.
Biro Mary I homes	D.C.	Blake, Isabel Rose	p.C.
	D.C.	Blake, Martin	
B.S. in C.E. 1914. The George		B.S. 1947. Northeastern University	D.C.
B.S. in C.E. 1934, The George Washington University	97.	Blake, Martin B.S. 1947. Northeastern University Blake, Mildred Dennis Polytechnic	
Bushee, Donald Mayo	Va.	A.B. 1943, Louisiana Polytechnic	Va.
Biscan, Frances Ellen	Ohio		p.C.
B.S. 1943. Ohio State University	D.C.	Blake, William Joseph, Jr. Blake, William Lucius	D.C. Ps.
Bischoff, John Minton	N.Y.	Blake, William Lucius	D.C.
Biogyer, Edgar Maynard	D.C.	Blakemore, George Jefferson Blakemore, Lemuel Anthony Minnesota	
Bishins, Eileen Rita Bishop, Bertha Julliette	D.C.		D.C.
Bishon Christing Elizabeth	Miss.		N.J.
Bishop, Christine Elizabeth Bishop, Forrest Liston	D.C.		
Bishop, George Edward A.B. 1941, The George Washington	Mass.	Blanchett, Carl Blanchett, Carl B.S. 1944, United States Coast Gus	No.
A.B. 1941. The George Washington		B.S. 1944, UBREE States	NJ.
University	2//-	Blanco, Richard Lidio	
Bishop, Iris Mildred	Mo.	Distitu, Attacks	

Blanding, Evelyn Smith A.B. 1943. Radcliffe College Blandy, Marie Fmily	D.C.	Blodgett, Norman Stack	D.C.
A.B. 1942 Radeliffe College	D.C.	B.S. 1941. Worcester Polytechnic	
Blandy, Marie Emily	D.C.	Institute	
Blankenheimer Barnard	N.Y.	Bloodell Jeanne Elizabeth	Md
A.B. 1041 Brooklyn College	Et. E.	Blondell, Jeanne Elizabeth Blondes, Leonard Sand	Ohio
Blankenship James Delbort	Md.	Blundheim, Dorothy Hudson	.V.C.
Blatchenslup Leton (leton)	1) (Als 1934, Miami University	
Blankenship Law no Lee	D.C.	Bloom, Carrington Murray	D.C.
Blankley, William Basedo	Va	Bloom Eli Menry	D.C.
Blankenheimer, Bernard A.B. 1941, Brooklyn College Blankenhip, James Delbert Blankenhip, James Delbert Blankenhip, Jens Chiton Blankenship, Vingaria Lee Blankley, William Bardo Blanton, Joseph Warren Blasangame, Paul Arthur		Bloom, Eli Heury B.oom, Heward	AME
Biasangame, Paul Arthur B.M.E. 1948. The George Washi	Va.	Bloom, Jerome Philip B.S. 1047, Wayne University Bloom, John Potter	Mich.
D.M.E. LOAS The Course Week!	tielon	BS 1947 Wayne University	
Blackel Visity	41 fe resti	Bloom John Porter	N.M.
Diashale Heritan	37.	AB 1947 University of New Meni	00
B.E.E. 1948. College of the City	of	Bloomingburg, Gene Guy	Va
B.E.E. 1948, College of the City New York Blaschak Verenies	471	Blough, Glennorre Fthel	100
Blaschak, Veronica	DC	Blouin, Josette Marie	Canada
Blaser, John Frank	D.C	Blubstein, Seymour	N.Y.
Blaser, John Frank Blatchford, Walter Larned B.S. 1933, United States	D.C. D.C. Ill.	Blue, Eugene Augustus	Te1.
B.S. 1933. United States Naval		Blue, John Frederick	D.C.
Academy Academy		Blue, John Frederick B.S. 1942. North Carolina State	
	N.Y.	College	
Blaustein, Sheldon Eli B F E. 1947. College of the City	N.Y. N.Y.	Blum, Bernard Marvin	D.C N.Y.
D Sheldon Eli	N.Y.	Blum Irwin Ellis	
B F E. 1947. College of the City Blease, Bernice Alease Blechman, Martin George		B.S. 1933, Brooklyn College J.D. 1938. The George Washington	
Blezon P. New York		J.D. 1918. The George Washington	1
Blechenice Alease	D.C.	University	
Blechman, Martin George Bleckley, Viola Prudence		Blum, Joseph Blum, Martin Charles	N's
A B viola Prudence	Ga.	Blum, Martin Charles	D.C N.Y
Blee Hall, I seemiont College		Blum, Marvin	N.1
Bleed - Salle	Calif.	B.S. 1948, Brooklyn College	D.C
Bless Betty Shirley Blessing, Edwin Hoffer B.S. 1916 Dicking	1.1.	B.S. 1948, Brooklyn College Blum, Royal Isaac	D.C N I
Blessing, Frimin Line.	Md.	Blumberg, Warvin	76.
Blevins, Eugene Winford College	Va.	Blume, Adela de	Md.
Blevins, Eugene Win (and College		Blamenfeld, Herbert Lee	N.Y
D. A.B. 1942. King Callers	DC.	Blumenkopl, Norman	24.1
B.S. 1936. Dickinson College Bevins, Eugene Winford A.B. 1942. King College Blevins, Hansel Herbert Black, Charles Augustus B.S. 1933. United States Naval Academy	rep.	A.B. 1941, Brooklyn College	D.C
Charles Augustus	Tenn.	Blumenkrantz, Lawrence	Md
5. 1933. United States Namel	N.J.	Blumer, Frederick Gordon Blute, William Augustine	D.
Academy States Mayar		Proce Ambus Promond	Wash
M.B.A. 1947. Harvard University Blick, Robert Edwin B.S. 1923. United States Naval		Boak, David Gordon	N.J
Re Robert Edwin	D.C.	A.B. 1947. University of North	84.3
B.S. 1922, United States Naval	D.C.	Carolina	
		Boak, James Harold	D.C.
of moto, Massachusette Incite	nite.	Boatwright, Hazel Sue	Si
Blick Cashnology		Bochenek, Benjamin Herman	S.C.
Bliek, Catherine Louise Bliss, Francis O'Donovan, Jr. Blitch, Michael Gordon	DC	RS 1012 University of Maryland	Avt C
Blist . Donovan I.	2.6.1	B.S. 1947, University of Maryland Bock, Eugene William	N.Y.
Blitch, Michael Gordon Bitten, Glenn Edward B S C. 1943, University of Iowa BIT. 3, 1947, Georgetown Univ	Va.	Bocobo, Dulce Laurel .	Conn.
BSC Glenn Edward	Part.	B.S. 1939, University of the Philip-	
B F Q. 1943. University of Your	Iowa	pines	
Blitman C 1947. Georgetown Illain	anair.	Bodden, Robert Clark	Fla
AR Samuel	D C.	Boddie, Charles Edwin	D.C.
		Bode Bertha Irene	lows
A M LOLE	- 01	AB 1512, Iowa State Teachers	
A.M. 1918, Columbia University Block D., Ethel		College	
	NY.	Bodinger, Rhoda Helen	NJ.
Block Florence	h'-k-	Bosinsh karlerine	1'a
	Nebr.	Boebler Robert E	Ohio
Block, Frederick Lauren	DC.	A B 1915, University of Loledo	
Blo. L. France, Ivania	,	Boehlert, Irene Elizabeth	D.C
Block Laurence	51 M	Buellert, Iem e Clara Buellert, Rosemary	N.Y.
B.S. in P. Stanley	N.I.	Boehlert, Rosemary	DC
		A.B. 1019. The George Washington University	
Block, Huntington Turner A.B. 1948, Princeton University Ph.B. 1947, II.		Chiversity	
A.B tous Di Turner	DC	Boes, Roder on Hans	DC
Block, William Edward, Jr. Ph.B. 1947, University	D.C.	Boesch, David Swaine	D.C.
Ph.B. 1942 Hardward, Jr.	N.D.	Boesch, Ruth Elinor	D.C.
	W.17,	and all alle a story	D.C. D.C. D.C. N.Y.
Diock Barton, Fred to		Bog lanoff, Isidore	N.I.
Block Barton, Fred Hubert	Calif.	Bogena, Stuart Chapman Bogen, William	D.C.
	Caiii.	societi, william	Ad. A.

	*	Bonnett, Leo Victor	III.
Boggs, Gail Everett	D.C.	Ronney Charles Lee	Va.
Bowley, William Luckerman	D.C. N.Y.	Bonney, Charles Lee Bono, Evert Lee	D.C.
	14.1.		D.C.
B.S.S. 1941, College of the City of		Booher, Jonathan Gurin, Jr.	Va.
New York	Md.	Booher, Jonathan Girrin, Jr. Booher, Patti Yvonne Booker, Lewis Albert	Va-
Bogue, Jesse Parker Bohan, John Patrick	Pa	Booker, Lewis Albert	Va.
Bohan, Joseph James	Pa	Bookhamer, Robert Harry	N.J.
Bohon, Robert Marion	D.C.	Bookman, Irving	. 1
Bohonia, John	Md Md	Bookman, Irving A.B. 1940, New York University Boone, Betty Jane Book Ball State Teachers	Ind.
Bohrer, Doris Sharrar	D.C	A.B. 1948, Ball State Teachers	
Boin, Jerome King	DI W	A.B. 1948, Ball State Teachers College, Muncie, Ind.	D.C.
Boissonneault, Loretta Lucy	D.C.	Boone, Marjorie Ann	
Boker, Irving Thomas	17.0	Boone, Marjorie Ann B.S. 1945, Northwestern University Boone, Thomas Hood	D.C.
Boklund, Gustaf Leonard	D.C.	Boop, Mahlon Ellwood	Pa.
	()hio	Boorman, Robert Henry	D.C.
A.B. 1935. Western Reserve Uni-		Basch Emma lean	D.C.
versity	D.C.		
Boland, Gertrude Mary Bolen, Clarence Leland	Va.	R.Z. 1030' Latmante State Leacure.	
D. H Clifford Fred	Md.	B.S. 1916. Farmville State Teachers College, Va A.M. 1940. Columbia University Booton, Robert Edward	
LL.B. 1948, The George Washington		A.M. 1940, Columbia Culvers	lows
University	111.	Booty, Philip Cuthbert	D.C.
Bollard, Isabelle M.	811.	Bor. Robert M.	D.C.
B.S. 1933, West Tennessee State Feachers College		Bor, Robert M. A.B. 1942, New York University	
D U. Frank Crandall	Tez.	LL.B. 1947. Columbia University	D.C.
B.S. 1934, United States Naval			-0.5"
Academy	Torono.	A.B. 1947, Swarthmore College	Wis-
Bollie, Ernest John	lowa D C.	Bochardt, Edward George B.E.E. 1935, Wisconsin State Teachers College, La Crosse	
Bollinger, Howard Moore B.S. 1943, M.S. 1947, Massachusetti Institute of Technology M.B.A. 1948, Harvard University	1	Teachers College, La Crosse	D.C.
B.S. 1943, M.S. 1947, National Control of Technology		Borchardt, Owen Frankin	Ma
M R A 1048. Harvard University		to I I Beninsmin Assessed	
Bollinger, John Daniel	Pa.	B.S. 1041. The George Washington	estia
Bollt, Robert	N.Y. Md.	University Borcherding, Earl William	Wis.
Bolton, Alice Roberta	Va.	Borcynski, Henry Ferdinand	D.C.
Bolton, Alice Rohrer B.S. 1932, Madison College		Borden, Richard LeRay	
Bolton, Melissa Dement	Md.	Borden, Richard LeRay A.B. 1946. Harvard University Boree, Howard Ralph Borel, Paul Arnold B.S. in C.F. 1914. University of	D.C.
Bolton, Vivian Reynolds	Pa.	Boree, Howard Ralph	Va.
Boltz, Donald Arthur	SD	B.S. in C.E. 1934, University of	
Bon, David McCulloch	D.C.	D.S. O. C. 19741	
Bon, Franklin Albert A.B. 1948, College of William and		M.B.A. 1938, Harvard University A.M. 1943, Columbia University	
Mary		A.M. 1943. Columbia University	Ark
Bonanno, Mary	DC.	Rosensasses, Markaret Catherine	Ark.
Bonevitch, George Michael	Pa	Borengasser, Rosalie Elizabeth	Norway Pa
Bond, Gorman Morton	Md D (Borge-Ask, Elisiv	p.C.
Bond, Russell Vernon	Md.	Borghi, Angelo Vincent	D.C.
Bondareff, William Bonds, Mary Alice	Nia	Borkowski, Walter Aloysious Borland, Eugene Victor	311
Bondy, Malcolm Edward	DC	Borman, Robert Kinsley	Md.
Bondy, Malcolm Edward Bone, Robert English		Bornefeld, Helen Burns	n.C.
Ronga Bernese Marie	Monn	Desember Carl Louis	D.C
Bonham, Luke Warren Bonilla, Lempira Eusebio	Tenn.	Bornstein, Irwin Seymour	N.C
Bonilla, Lempira Eusepio	13.	Boroughs, Lewis Edward Washingt	off
Bonis, Austin Jerome B.S. 1011. College of the City of		Boroughs, Lewis Edward Ll. B. 1048, The George Washingto	p.c.
New York		Chitterery	Va.
Bonkowski, Adam Stanley Bonnell, Elwyn Therens A.B. 1942, Michigan State College	Md.	Borow, Bernard	W. I.
Bonnell, Elwyn Thomas	Mich	Borror, Barbara Lee	N.J.
Rangell Vissinia Crosswhite	Mich.	Borrus, Anita Helene Borrus, Bernard D.	Pa-
Bonnell, Virginia Crosswhite A.B. 1943, Municipal University of		Borrus, Bernard D.	p.C.
Wichita		Bortner, Jeffrey Clair Bortz, Ellen Laubscher Wilson Toacher	rii.
Bonner, Arthur Bobys	DC	Bortz, Ellen Laubscher B.S. in Ed. 1945, Wilson Toscher College	D.C.
Bonner, Jane Pierce	Va. DC	College	D.J.
Bonner, Jean Marie Bonner, Josephine Elizabeth Bonner, Sally Rose	Va.		N.Y.
Bonner, Sally Rose	Tenn	A.B. 1940. Brooklyn College	
Bonnett, Avona Irene	Md.	Borziller, Paul Thomas	

D .			
Bose, Amalenda	D.C.	Bowling, Frances Hazel	Va.
P.S. 1040 Coloutta Illaimentia		Bom ang, George Washington	Mid.
M.S. 1948, Polytechnic Institute		Bowman, Anna Elizabeth	Va.
Resion Brooklyn		Bowman, Clarence Higher	D.C.
	Va.	Bowman, Julian Holt Bowman, Margaret Elizabeth Bowman, Robert Ts. Linen	Md
	1 8.	Bowman, Margaret Elizabeth	Md.
Bosman, Joan Frances Bosmans, Thomas Constantinus Boss, Betty Ann	NY. DC.	Bowman, Robert Tschapen	Md.
Bass. Thomas Constantinus	DC.	A R to 48 Miami University	
Boss, Betty Ann	1) (.	Bowman, Ruth Rebecca Bowyer, Wesley Orton	Va.
Evelyn France	1 -	Bowyer, Wesley Orton	Va.
71.D 1030 (N.I.L		Boyart, Carl	Md.
Bostick Inchanical College		B.S. 1940, College of the City of	
Bostick, James Lynn	Ark.	New York	
Bostick, James Lynn Boston, William Theodore A B		Boyce, David Barry Boyce, William Lee	D.C
A B 191 . Washington College		Boyce, William Lee	Va.
AB 161 . Washington College AM, in Ed 1046, University of		A.B. 1948, Shepherd College	
Bosto Mary Lind		Boyd, Alfred Rowe	Md
Bostwick, Don Phillip Boteler, Basil	Iowa	Boyce, William Lee A.B. 1948, Shepherd College Boyd, Alfred Rowe Boyd, Frank John Boyd, Patricia Evelyn R.S. 1948 A.M. 1949, George	Va
Boteles 34	D.C.	Boyd, Patricia Evelyn	DC.
Boteler, Marcia	D.C.	B.S. 1938, A.M. 1940, George Peabody College for Teachers	
AB 1945. The George Washington	1	Peabody College for Teachers	
Bothwell 34		Boyd, Robert James	D.C.
Bothwell, Martha Lue Bottin, Dwight M	Kans.	Boyd. Robert James	111
BS IOA (A)	Okla.	B.S. 1946, University of Otlahoma	800 10
B.S. 194. Oklahoma Agricultural and Mechanical College Bottomley, Helen Mar.		B.S. 1946, University of Oklahoma Boyd, Tobias J. Bowd, William Walker, Jr.	D.C.
Bottomley, Heien Mae		Boyd, William Walker, Jr.	Pa
LIUCION OF SA	MINES.	Boyer, Delos White	DC
A B 1943, Wellesley College Bottor Sara Frances Botts, Max Frances	DC.	Boyer, James Orval Boyer, Joan Zelda Boyer, John Alton	Pa
Bottorf Sara Francisco College		Boyer, Joan Zelda	Mars.
Bots, Max Frances Bots, Frances Bots, Frances Bots, Frances Bots, Frances	DC	Boyer, John Alton	Md.
DOLY L	Va.	A.B. 1948. The George Washington	
Bo fard Velson J	ind.	University	3.6.2
Bouldin Jackel C	DC.	Bover, Margaret Emily	Md.
Bouldin, Isabel Spotswood	Mass.	Bover, Patricia Anne	Md
Boulin, Maz Remy	Va.	Boyer, Sarah Lucy	Va
Bouquet-Chautemps Ican Dian Et	DC	Boyko, Edgar Paul	DC.
Bouquet Chautemps, Jean Pierre Edouar Bourgeois, Donald Grayson Bourke, Anne Router	d Md.	LL.B. 1945. University of Marylan Boylan, Robert Thomas	Pa
			1.7
Bourne, Hunter Carson, Je	Md.	B.S.E. 1947, University of	
Bourne, Hunter Carson, Jr BS in F F. 1945, Virginia Bourne Institute	50	Pennsylvania	N.Y.
	DC.	Boylan, Vincent DePaul	24.1.
Polytechnic Institute		B.B.A. 1940, Manhattan College Boyland, Paul M.	Md
Boutes Nancy Margares	200	noyland, Faul M.	N.Y.
Bouston, Namy Margaret Boward, Lawrence Mark	D.C.	Boyle, Anthony Francis A.B. 1948. The George Washington	14.1,
Boward, Lawrence Mark	Va.	University	
Bowden, Allie M	Md.		N.Y.
Bowen D. Columbia Hairman	Va.	Boyle, Barbara Alice	Wis
Bowen, Donald Eugene	Va.	Boyle, Betty Jean Boyle, Helen Gertrude	D.C
Bowen E Conaid Fugene		Paula James Edward	Mina
Bowen, Edward Norman	Mont.	Boyle, James Edward Boyle, John Edward	
Univ. N.E. 1944, Rutgers	NJ.	Dh R com Macausta University	Va
BS of M.E. 1944. Rutgers University Bowen, Francis Leo A.B. BS		Ph.B. 1917. Marquette University Boyle, John Vincent	DC
A.B., B.S., 1948. High Point Colleg A.B. Lois Green A.B. Lois	Pa.	Boyle, Peter Frederick	DC
Dowen Tail o 1948, High Point Calley	118.	BS 1015, United States Naval	800
A B Torress	DC	Academy	
A B 1915. American University Bowen, Thales, Ir Bowen, Verna Sarah Bower, Robert Sharon	D.C.	Boyle, Peter Joseph	Minn.
Dowen, Verne C.	DC.	B.S. 1046. The George Washington	
Dower Robers Ct	Utah	University	
Bower, Robert Sharon	Va.	Bracey, Harry Bell, Jr.	Tenn
TOWNS IN THE DIRECTOR TO	V &.	Bracken, Leath M.	1'2
Rower, Vincent Edward A.B. 1943. Washington University Bowers, Wichard Simpson Bowers, William Simpson	DC.	Brackett, Lois Anne	Va
Rowers, Richard C: Washington University		Braddock Harry Floor	NI
Bowers, William Thomas Bowie, Blanche Lucile Box Blanche Lucile B B B B B B B B B B B B B B B B B B B	D.C.	B S. 1045, United States Naval	
	l'a	Academy	
A n . 1042 11-	24.1	Bry Uned Goodon	NY.
B.S. Dianche Lucile A.M. 1942. University of Maryland Bowler. John Andrew Jr. B.S. 1048	1	Bradford, John	1.0
Bg John Andrew Liniversity		Bradford Rainh Gordon	9'2
	DC	Brallard W" am R here	Md
Bowles I Sity Washington		BS 10 ch The George Washington	
Bowler, Lingth Luckett Bowler, John Andrew, Jr. B. 1948. The George Washington Bowler Lucyh Luckett Brwling Benjamin Carnegie		1 2 2 2 2 4	
Benjamin Carnesia	DC.	Brailles Frances Anne	Va.
116,800	Va.	Bradley, Jack Huron	Fla.

Bradley, John Graham Bradley, John Grover	MJ.	Brearley, Grace Lady	D.C.
Bradley, John Graham	Ner.	Breazeale, James Alten	Mo.
	Va.	Brecht, Harold Marvin	Md.
Bradiey, Mary Katherine	D.C.	Breck, John Robert	D.C.
Bradley, Robert Beil	D.C.	Breeding, Robert Burton	D.C.
B.S. 1948, University of Maryland Bradley, Sally Pheips	D.C.	Breeding, Robert Burton B.S. 1944, University of Kentucky Breen, Irvin J. A.B. 1948, Harvard University Breen, James F. Breen, James Michael Brees, Beatrice Ruth Breesh, Sci Daniel	
Bradley, Sally Filespa	Nev.	Resen Irvin I	Mass.
Bradley, William Orlando	l'a.	A R to R Harvard University	
Bradshaw, Anne Sheevell	1	Breen Ismes F	D.C.
Bradt, Joseph V.	Ind.	Breen James Michael	Va.
Bradway, Malcolm Strode	And.	Brees Bestrice Ruth	N.Y.
B.S. in M.E. 1948, Purdue		Breeskin, Sol Daniel	D.C.
University	Calif.	Breeskin, Jot Daniel	Calsi.
Brady, Neal Caldwell	Carri.	Bregman, Herbert Marvin Brehm, Theodore Louis	Ind.
B.S. 1947. Western Reserve		A.B. 1948, The George Washington	
University	Mo.	University	
Brady, Thomas Anthony	Md.	Resinne Amelia	N.D.
Bragan, Richard Larry	Tex.	Breiung, Amelia Bremer, Frederick Godfrey	D.C.
Bragdon, Kerlin Joseph LL.B. 1934. Oklahoma City	lex.	Bremer, Frederick Gouney	D.C.
LL.B. 1934, Oklahoma City		Brendler, George	N.Y. Va.
University	2	Brenman, Henry Stephen	N.Y.
Brager, Miriam	lowa	Brennan, Francis Xavier	Va.
A.B. 1936, Grinnell College Bragg, Ernest Carrington	Va.	Brennan, George Francis	Pa.
Bragg, Ernest Carrington	9 8.	Brennan, James Joseph	Va.
	D.C.	Brennan, James Joseph Brennan, Robert James Brennan, Sally McLain	D.C.
Hearn William Herbert	111.	Brennan, Sally McLain	Md.
R S TOAA. University of Allenon	W.Va.	Brenneman, Melvin Luther	D.C.
Brake, Eugene		Brenner, Esther Ruth	Md.
Brame, Oieta	Fla.	Brenner, Sonia B.S. 1930, State Teachers College, Kansas City, Mo. Brentlinger, John Weeks Bresh, William Murray	
Bramlette, Lee Clinton, Jr.	Tex.	B.S. 1939, State Teachers Concess	
Heamow A Stanley	D.C.	Nansas City, Nio.	Va.
B.S. 1946, Virginia Polytechnic		Brentlinger, John Weeks	D.C.
Institute	E) (*	Bresh, William Murray A.B. 1928, Franklin and Marshall	
Branchi, Titus	DC.	A.B. 1918, Franklin and Manual	- 0
Branchi, Titus	DC.	College	D.C.
Brand, Albert William, Jr.	D.C. D.C. D.C.	Breslaver, Ruth Cooper	
Brand John Sibley	D.C.	B.S. 1045, The George Washington	
A.B. 1947. University of North		University	Colo.
Carolina	21.37	Breslaw, Joseph	Va-
Brand Paul Ioschim	N.Y.	B.S. 1946, University of Notre Dan Bresnahan, Michael Andrew	Va.
B.S. 1041, New York University	9.7	Bresnahan, Michael Andrew	Ind.
Brandenburger, Elise Ann	Va.	Bressler, Wilson Kress	N.Y.
Brandon, Walter Bethune	Mich.	Breuer, Alexander	Va.
B.S. 1941, United States Naval		Bresser, Wilson Kress Breuer, Alexander Brew, Eleanor M.	V
Academy		A.B. 1942, Hunter College Brew, Eugene Lawrence	N.Y.
Brandt, John N	D.C.	Brew, Eugene Lawrence	Ark
Brandt, John N	Mo.	Brewer, Bobby Les	Md.
B.S. in C.E. 1931, University of		Brewer, George Weldon	Va-
R. arrevals		Brewer, Glenna Paye	N.Y. D.C.
Brannon, Joan Virginia	DC	Brewer, Joseph Daniel	D.C.
Brant, Mary F	Pa	Brance Robert (180086	3.6d-
Brantley, Iac Vernon	Ala.	A.B. 1948, Hamilton College	
A K 1011 HOWARD COHER		Browster Daniel Baugn	D.C. Md.
Brantley, James Cranford B.B.A. 1947, University of Georgia Brantley, Walter Frederick Brassield, Harold	DC	Brice, Lawrence Etheridge, Jr.	Man.
B.B.A. 1947, University of Georgia		Bride, Cresent Joseph B.S. 1939, University of Maryland	Va-
Brantley, Walter Frederick	Md	B.S. 1919, University of Many	
Brasheld, Harold	Ala.		Ky.
A.B. 1934. Birmingham-Southern College		Ruggs, Prancis Ginord	D.C.
College		Briggs, Hazel Olive A.B. 1037, University of Washington Briggs, James Philip, Jr. B.S. Jame	Va.
Brassel, William Samuel Brasted, Donald More	DC	A.B. 1937, University of Walter	400
Brasted, Donald More	Va.	Briggs, James Philip, Jr.	N.C.
B.S. 1042, The George Washington University		11.5. 19671 6.	14.00
University		Briggs, Lee College	Va.
Brastow, Jerome Duryea	P.C.	A.B. 1015, Carleton Course	Cons.
Brastow, Jerome Duryea Braswell, Hiram Eugene	1.0		Va.
Braugh, Frank Charles Braun, Dean Francis	DC.	Brigge, Russell Wilfred	Va.
Braun, Dean Francis	DC.	Heigham Pewin Kingy	Towa
B.S. 1941. Bradley College Brauner, Dorothy Caroline		Bright, Evelyn Martha	Md.
Brauner, Dorothy Caroline	Md.	Briley, Prances chaine	len.
Brauning, Helen Jane	DC SC	Brilhart, Gladden Loets Dake University	Md.
Brauning, Helen Jane Brawley, Hiram Wilks	SC		Mo.
Brawner, Edgar Newton	Md	Intiti, aximula i oper o	N.Y.
Bray, Lucile Keeton	Miss.		34.
Breach, John Olaf	Va	Briller, Shirley Estelle	

			11/
Brimer, Alan Anthony	Md.	Bronwigh, Alfred Taylor The George	1).C.
	N.1.	R Carlotte Co. F.	
Brimheld, Enid Joyce Brimley, Ralph F. W. B.S. 1028, North Carolina State Teachers College AM	N.Y. N.Y. N.C.	has crean (mixeral)	DC.
Brimley, Ralph F. W.	N.C.	Brona a N. 1 1247. Virginia R.S. at M.I. 1247. Virginia Provide bear Institute Brona Co. Mar W. red	
B.S. 1028, North Carolina State		B.S. ab. VIII 1941.	
A Vs.		Bearing War W. 'ed	D.C.
THO, CHIVEISHY OF MOITH		Bear Arterd	71.
British & W. Joseph Oliver	NIJ.	Brooks, Craftes Granien AB 1985. Western Maryland	.vid
Brothes, Henry L. be	111.	AB 1997, Western Maryland	
Brinks, Henry L., ke A.B. 1948, Wheaton College, Ill. Brinks, Jean Oliver	211.	Collect	NY.
Brins, Jean Oliver	DC	Brook Carles Kenneth A.B. 1445. The George Washington University	
	D.C.	A.B 1245. The George Washington	
	Gir.	University Brooks Duradia Counter Brooks Duradia Counter Brooks Duradia Counter Brooks Trackers College Count Lore the	DC
	Tex.	Brooks Paris Conder	(ia
Brown, Wiston Wilkerson	N.C.	Bin Genera Teachers College	C
Brist die, Austen I rancis, Jr. Brockots, Icooph I rancis	Na.	BS trac Georgia Federics Constitution of the Brown Harrison Moreon It BS 112 Wheaton College, Ill.	Coun
	9 60 -	Brown Harrison Vi com Ir	11 1.
		BS 174 Wheaton College, III.	111
Broxey, See Length	D.C.	BS 1/2 Wheaton Coresci. III Brooks lederson Privis III Brooks lessow in Brooks lessow was an Brooks lessow was an Brooks lessow in House Waser Brooks lessow in Heavy in Heavy was a lessow was a lessow was a lessow was a lessow with the lessow was a lessow with the lessow was a lessow was a lessow with the lessow was a lessow was a lessow was a lessow with the lessow was a lessow was a lessow with the lessow was a lessow was a lessow with the lessow was a lessow was a lessow with the lessow with the lessow was a lessow with the lessow with the lessow was a lessow with the lessow with the	DC.
	(0.0	Brenks Joseph James	
	Md.	By 1 at, Living Cuteday.	DC
Bristow, John Wesley Bristow, Joseph Quayle	Lairi	Brooks, I com W. III	1 4.
11 p. Joseph Quayle	1a	Branks VC Charles	Kane
Brite, Ann M.	Ind	Brank Bernard, Ir	D.C.
Butt. John Frances	NY.	Inches of the second se	11
Britt, John Francis X ever A B 1942, A M 1940, The George Wishington University Britt, Morrise University	14 1.		31.
B who a ten I have make		Brooks, William To for Brosseau, Recurs' Licorate LLB 1, etc. Natheastern University	1.1
Britt, Mart of Lother Je	1.3	Brown Area Marie Brown A' ce Kawies Brown A' ce Kawies Brown A' ce Kawies Brown A' ce Kawies	11
		LIB 1, 11 \ neverstein (niveren)	1 2
Britt B. North Coolina		Bra resp Tale O' ver	1.3
Britt, Rainmarphi Britt	N.C.	Brow let Harry Mareier, Jr	1:1
Britt, Sverine Hansenne Britt, Lycania Command	Va.	Brown Arres Marie	13
Brittin, Brillek Heinkel	1 4	Brown 1' c K wes	DC
I B reg Henry et	NJ	Brown Vie Love	
AB type. Union College British I want Provise Beside David Field, Jr. British, Jesse Lean British, Jesse Lean	Md	Brown, Rentanin Frint'in Brown, Rentanin Frint'in	DC
Branle Davis Leid Le	7. C.	Brown Berry Gene	1 3
Br ton, Bette lean		Rose Billie	111,
Britton, lesse I ne	DC	Rome (Typics Frie	11;
Britton, Iessie I. ne A.B. 1-45. (Mao Wesleyan Universit Britton, Keuth Groupe	1	Brown Charles I'le RS 1047 L Accept of Maryland	PC
		Rena (" Relation	1.
Broton Robard LeRon Brotalway Ceel Vernon Br	1.1	Bream (M B + 1 98 , 1 pm	1.0
Recommendation of the Recommendation	Tot	D Caretarine line	DC
By Die Herry Domas J.	Fla	D. C. Tarles	
Brekers John Bernett Bry Co. France Leeph. Bry to la cephane Lathan	F1 1	Brown Daniel AB 1748. The George Washington	11
Address of the second s	DC	AB 1145. The George Wastington	
Bro to lo estane Lilli in	Pa	(L 1 6 L 0 2 A	1.1
Broke And Harring Ir	De.	Brown Denn & David	DC
R. Vive Mutin Ir	16	Brown, Der V. Ject of	1.0
Br. Can Haward Cirlin	1,	Brown, Der stal Archer Brown, Der s Blandena	Pa
R B WARRENCE KODES	DC		-
Read to 27th Calawha Callega		A H track Michiganier Contract	N.C
Brodahl, Raymond Gilbert B.S., 1945, Iowa State College Broderick, James Duane Brodeur, Henry Charles Brodeur, Isabel Ann Brodie, Loy Hall	DC.	Brown, Flate A B 1977, Meredith College	
Broderick Tarmer D. State College		n Flore W. o.	DC
Brodeur, Henry Chane	Ind	Brown, Flue Mo	1.1.
Brodeur, Isabel Ann	Comm	Brown Fmm a Fine AB 1924 AM 1927, University of	
Brodie, Lov Hall	Miss	A B TOTAL A ST TANK	
Brodana, Betty Jane Brodsky, Herman Brody, Alvin	DC	Down France of William	1,3
Brode At Herman	NY.	BS 1978, United States Naval	
Rody Anthon	D.C.	1 slams	9.
Brody Langue Lionel	. 8.1.	Brown George Edward	l'a
Brody, Arthur Lionel Brody, Leonard Harry Brody, Richard Harry Brogan, George William	NY NY	Brown George Edward BS on Ed 1991 State Teachers College, Fatt Claire Wa	
Brogan, George William	11	College, Fan Claire W.	
	Muss	M & 1041 University of Colorado	1.1.
Broaden, Joseph Godfrey Broaden, James Lames	DC	Brown Harold	DC
	Ca	Brown Hars's Kent	III.
Bromley, Wayne Leon	NY	Brown, Helen Whiteside	
	DC	A.B. 1946, Vassar College	

Brown, Herbert	Va.	Browne, Harry L.	N.Y
B.S. 1936, College of the City of		Brownell, Gwenda Ellen Brownfield, Marilyn Ruth	low
New York	200	Brownheld, Marilyn Kuth	D.C
Brown, Hollis Booth	D.C.	Brownholtz, William Walter Browning, Francis Gerard	Pa
Brown, Imogene Elizabeth	Va.	Browning, John Barnett	N.J
A.B. 1931, East Central State Colleg Brown, Jacob Embree	Md.	B.S. 1943. University of Alabama	0.4.0
Brown, James Clinton	N.Y.	Browning, Norman Bottger	D.C
Brown, James Grady	Md.	A.B. 1940, University of Delaware	
A.B. 1948, The George Washington		Browning, Paulus Powell, Jr.	D.C
University		B.S. 1941. University of	
Brown, James Robert	D.C.	Pennsylvania	D.C
Brown, Jane Desloge	Miss.	Brownley, John Kenneth	N.J
A.B. 1942, Maryville College	Kans.	Brownson, Ernest Maitland	Va
Brown, Joseph Sessford	Mans.	Brownson, Robert Henry B.S. 1948, John Carroll University	
A.B. 1947, University of Kansas Brown, Josephine Berlinger	D.C.	Brownstein Herman	N.Y
Brown, Kenneth Ray	D.C.	Brownstein, Herman Broy, Anne Norton	Va
Brown, Laurence Ray	Colo	A.B. 1948, The George Washington	
Brown, Lawrence Edmond	Va.	University	Va
Brown, Lee Berry	Md	Broy, Beverly Hite Broy, James William	Va
Brown, Lewis Donald	W.Va	Broy, James William	Va
Brown, Lillian Belle	Va.	Broyles, Walter Leon Broz, Richard Francis	D.C
B.S. in Ed. 1927. University of Nebraska		Brozick Igan Mary	Va
Brown, Lois May	D.C.	Brozick, Jean Mary Bruce, Charles Warren	Mass
Brown, Louis	Ohio	Bruce Clayton Roy	D.C
AR 1041 RS in Ed 1041		B.S. 1945. University of Pittsburgh Bruce, James Crawford Bruce, Leslie Combs, Jr.	D.C
University of Akron A.M. 1943, University of Rochester Brown, Lucile Curtis		Bruce, James Crawford	Conn
4.M. 1943, University of Rochester	D.C	Bruce, Leslie Combs, Jr.	Md
Brown, Lucile Curtis	D.C.	Bruce, Richard Lewis	
Brown, Lucy Elizabeth Brown, Martin	N.Y.	B.S. 1947, University of Maryland Bruce. Sara Anne	S.C
Brown Martin John	Ark.	R S 1011 Coker College	
Brown, Martin John B.S. in Ch E. 1948, Purdue University	8.91.10.	B.S. 1931, Coker College M.S. 1943, University of Tennessee Bruce, Tracey Kirtz, Jr. Bruce, William Averett Bruce-Briggs, Florence James	D.C.
University		Bruce, Tracey Kirtz, Jr.	Obla
Brown, Maude D.	Kans.	Bruce, William Averett	Okla D.C. D.C. N.Y.
BC.S. 1946. Columbia University Brown, Merrill Reynolds		Bruce-Briggs, Florence James	D.C
Brown, Merrill Reynolds	Va.	Bruchie, Kobert Joseph	N.Y.
Brown, Milton Henry	Pa.	Bruckner, Benjamin Harry	
Brown, Milton Henry A.B. 1037, University of Pittsburgh Brown, Minnie Ray	DC	A.B. 1943, Columbia University	Moot.
Brown, Oril Irene	D.C. D.C.	Bruckner, Raymond Lawrence Brudo, Charles Salomon	Wash.
B.S. 1010. Northwestern University	2.0.	Reveioni Dino Anthony	D.C.
Brown, Patricia Louise	Va.	A.B. 1947, A.M. 1948, The George	
Brown, Patsy Mae	D.C	Washington University	D.C.
Brown, Paul Ambrose	D.C	Bruin, Alvce Amelia	D.C.
Brown, Raymond	D.C	Benn, Edith Helen	Va.
Brown, Richard Allen	D.C.	Brumback, Frances Smither	Va.
Brown, Robert	N.C	Brownl, Charles	D.C. D.C. Va.
B.S. in C.E. 1926, University of North Carolina		Brunauer, Sandor	Va.
Brown, Robert Nelson	Calif		Va.
Brown, Robert Raymond	III	Brunner, Gerti Landauer A.B. 1949, University of California	
BS. in M.E. 1942. Purdue		A.B. 1040. University of California	N.Y.
University		Bruna. Katherine Vivian	Md.
	Md	Brusiloff, Leova	Conn.
Brown, Roland Harry	Va	Brusiloff, Leova Bruskin, Leo	Vs.
Brown, Konald Lawson	Va	Bruss, Otto Henry	Md.
Brown, Roland Harry Brown, Ronald Lawson Brown, Roy Carol Brown, Russell Martin Brown, Sheldon Willia	S D Md	Brust, George A.	D.C.
Brown Sheldon Willis	Calif	Bruvere, Paul Tulane	
B.S. 1912. United States Naval	4.0011	A B. 1910, Princeton University M.D. 1935, University of Chicago	
Acadama		M.P.H. 1042, Yale University	Va.
Brown, Stanley Louis	Md		
Brown, Stanley Louis Brown, Thomas Cameron Brown, Virginia Geraldine Brown, Virginia Zerrayde Brown, Webster Emerson	DC	B.S. 1944, M.S. 1940, VIII	2.5
Brown, Virginia Geraldine	D.C.	LOIAIGCURIC TUBLISHIA	Ark.
Prown, Virginia Zerrayde	Va	Bryan, Iean Bryan, Iean Beverley	N.C.
Ph.B 1914, Muhlenberg College	Va	Dames Win	10.0.
Brown, William Leon	Va	Bryan, Kit B.E. 1911, M.S. 1918, North	
B.S. 1011, East Central State College		Carolina State College	p.C.
Browne, Gordon Scott, Jr.	Pa	Bryan, Naomi Helen	

15	F2 - F2	11 II at John Frank	Md.
Bryan, Raymond Juseph	D.C. D.C. D.C.	Bullough, John Frank Bulow, Faut Erich	ta.
lityan, Sonya Elaine Bryan, Truman Grove Bryant Fred Wohley In	D.C.	Pulsman John Dale	III.
Bryant, Fred Webber, Jr.	Mina.		Va.
Bryant, Horace Andrew	D.C.	A.B. 1947, Cornell University Bumgardner, Edward Larrick A.B. 1948, The George Washington	9 .
/ -ut. Inv (larke	Md.	Bumgardner, Edward Larrick	Va.
	ge	A.B. 1948, the George Washington	
	Md.	Bangardner, Everet Franklin	D.C.
ANTENZOWSKI. I STRUCTURE	Mass.	Buttipateliser, Everet Franklin	Va.
Light Light Anthony	N.J.	Bunch, Josh Seven	Va.
	Md.	Bundock, John Paul	Ky.
R S Allison, Jr.	Md.	HS in F.E. 1948, Tufts College	
Buchanan, James Allison, Jr. B.S. 1944. Northwestern University Bachanan, Katherine Donnell	Ark.	B.S. in F.E. 1948, Tufts College Bundock, Nature Elizabeth	Ky.
AB tore Tolerall	Year	Bunevich, Irving	N.J.
	Md.	B.S. 1934. United States Naval	
	lowa		
	N.J. Va.	LL.B. 1040. The George Washington	
Buck, Barbara Lou	Va.	University F	III.
Buck, Dudley Allen B.S. in E.E. 1948, University of	Calif.	Bunker, Dorothy E. A.B. 1928, Park College	
Ruck Sanington			Md.
	Va.		Md.
Buck, Leila Johnson	D.C.	Bunn, David Armstrong A.B. 1947. Texas Christian	Tex.
Buck, Samuel Otho	D.C.	A.B. 1947. Texas Christian	
Buckberg, Morton L.	D.C.	University Bunn, Virginia Mary	Tenn.
Buck, Fred Everett Buck, Leila Johnson Buck, Samuel Otho Buckberg, Morton L. Buckley, Betty Jean Buckley, Daniel John Buckley, Tank Lawrence Buckley, Margaret Ellen	D.C. D.C. D.C. D.C. D.C.	Bunn, Virginia Mary	D.C.
Ruckley, Daniel John	D.C.	Bunnell, Mabel Angela	D.C.
Buckley, Frank Lawrence	D.C.	Bunting, Clyde Ellia Bunting, Warren John Bunyea, Walter Clifford	D.C.
Buckley, Margaret Ellen Buckley Palak E	D.C.	Bunting, Walter Clifford	D.C.
B.S. 1028 Viceinia Delanata	Va.	Buol, Laura, Belle	Tex.
Buckley, Ralph Edward B.S. 1938, Virginia Polytechnic Institute		Burak, Hugh	N.Y.
Duckley D.L., man	Wia.		Pa.
Buckman, William Boyd	D.C.	Bushana Mary Lon	Md.
BS 104". University of Maryland Buckner, Heima Buckner, Whita M. Buckner, William Coles Buckner, William Coles	2101	Burch Douglas Harman	Va.
Bulma Bulma	DC	Butch lacq eline Diane	Va. D.C. D.C.
Buckner, Willa M.	Mo.	Burch, Patricia Louise	D.C.
B. Lwaid, Joel	Mass	Burchard, Kathaya Anne	N.L
13.56 10.00 0 11	D.C.	Burchard, Kathar) in same	N.J.
B.S.S. 1918. College of the City of		Burdett, Melvin	DC
Dudge Harris I	D.C.	Burdette, Ernest Linwood, Jr. Burdsall, Lorna Nell Burford, Frank Page Burger, Joel Arthur Burger Murray Burger Murray Burger Murray Burger Murray	Ala.
Bridney, Steplen	D.C.	Burdeall Lorna Nell	D.C
British Steplen	N.Y.	Burford, Frank Page	Va.
Balack Lea at Laured	44100	Burger, Joel Arthur	D.C
	Pa	Burger Murray	N.Y.
Bues Frank R 1 , 1	Mass.	B.M.L. 1942, New York University	R.I.
Bueller Mill his ne	N.Y.	Ruceess Marbara ABB	D.C
Bree Flows R v. 1 Bootler Mylicel Flame Bothe Cyal Antony Both Arthur Ha L.	Minn.	Burgess, Elleen Elizabern	Mich.
B.ell Arthur Hyde Ir	N.Y	Burgess, Hazel E.	and a contract
Digit Li	N.Y Ya. III.	Burgess, James Riley, Jr. A.B. 1940, University of Michigan Burgess, James Riley, Jr. A.B. 1941, Michigan State College	Mich.
Bueil Luseph Whitman	Md.	A B tout Michigan State College	
Buerge, Mary Lou Bugaila, John Assi	D.C.	Burgess, James Thomas Burgess Mary Ann	D.C.
Bugaila, Iohn Anthony	D.C.	Burgess Mary Ann	D.C.
Bullenin	1 (Burghardt Heinz Hebert	116
A B 1999 William	I C	Burhans, Cynthia Constance	DE
A B. 1010. A M 1041, Washington Bulatkin, Natalie	1	Burhand: Hear Hebert Burhans, Cynthia Constance Burhans, Pris '1's Produce	D.C. D.C. C.C.C.C.C.C.
Bulathin, Vitalia		Rurk Pa l W "iam Jr	100
Bularkin, Natalie Bullain, Frank Livier A.B. 1931, IL.B. 1935, Baylor Bull Interests		Burk Paul W "iam Jr Burk Pra a Fern	DC
AB 1911, 11, B 1916, P	Va	Harry Harry	DC DC
Bull Bull Barrier		Barke Civo Rasoe	DC
Bull, Barbara Ann	Ind	Brite Ca've Roscoe Brite Izmes Fremant Brite Izmes Larsing, Jr Brite Izmes Larsing, Jr Brite Izmes Crant Brite Izmes Crant Brite Izmes Crant Brite Izmes United States Naval	113
	21161	Buke Into Flyard	Va
Bulla William I		Brike Take Grant	Va
Bulla William Lawrence Bullach David Keddie Bullack Anne William	DC	Birke Litan Thompson	1'2
Ballonk Anne Marie Bullonk Barbara Anne	NI	BS 1012 United States Naval	
Bully Barbara Ann	DC	Andems	DC
Bullo Bashar Ann Bullo Frederik Allyn Bullokus Theodore	Va.	Rucke Kernerh Stanley	N. I
Bullockus Theodore	DC	AB 1042 University of Georgia	
	1)(Wh 1015 furthern of changes	

Burke, Raymond Michael	N.J.	Bush, Marilyn Nancy	12.
B.S. 1048. St. Peter's College		Bush, Martin Bruce	D.C.
B.S. 1948, St. Peter's College Burke, Thomas Joseph	Va.	Bushmiaer, William Pryor	1 4.
Burkert Alfred Ir	D.C.	Bushnell, Richard	Ind.
Burkett, Joseph Allen Burkey, Joyce Thelma Burkley, Robert Blair Burkley, Robert Blair Burks, Craughill Stoner	D.C.	B.S. in M.E. 1948, Purdue	
Burkey, Joyce Thelma	Md.	University	Va.
Burkley, Robert Blair	D.C.	Bushong, Herman Leslie, Jr.	Pa
Burks, Craighill Stoner	Va.	Busillo, Richard Edward	Pa.
B.S. 1941, Hampden-Sydney College		Busits, Louis P	Va.
Burks, Harold A.	Va.	Buss, Joanne Marilyn	13
Burleson, Harold Brooks	Va.	Bussard, Edna Claire	Md.
Burner, Preston Eugene	Va.	Bussard, Gale Ernest	DC
Burnet, Frank Norman	N.Y.	Bussey, Anne Ainsworth	Md
A.B. 1943, Earlham College		Bussey Howard P.merson	
Burner, Preston Lugene Burner, Frank Norman A.B. 1945, Eartham College Burnett, Lloyd Calvin	Fla.	V.P. 1043' The George Mastington	
Burnette, Nimon	Tex.	University	DC
Burnham, Abbie E.	D.C.	Bussler, John McRossin	DC
Burnham, George Richmond	Conn.	Bussler, Robert Bruce	DC
Barns, Bland Calvin	Va.	Bostamante, Eva Maria	11/17
Burns, Edward Joseph	D.C.	Butcher, Dale Preston	The.
Buns, Eugene Joseph Buns, Francis Henry	N.J.	Butcher, David Frederick	Md
Banks, Francis Henry	Pa.	Burcher, Harold Kenneth	DC.
R rue Francis Ierome	Mass.	Buterbaugh, Charles	18:15
Burns, James Patrick, Jr.	D.C.	Butkiewilz, Michael Thomas	
Burns, James Patrick, Jr. Burns, Robert Joseph Burns, Robert Lee	Mass.	B.B.A. 1948, University of Miami Butkus, Carl John	173
Burns, Robert Lee	D.C.	Butkus, Carl John	12.144
Russa Robert Rudolph	Minn.	Butler, Charles Edward	Tern
A.B. 1018. University of Minnesota Burns, Walter William, Jr. B.E.E. 1042. Cornell University Burns, William Robbins		Butler, Claude Lee	Tes
Burns, Walter William, Jr.	N.Y.	Butler, Gladston Ingles	Fla
B.E.E. 1942, Cornell University	N 1 1 1	Butler, Laura Lee	
Burns, William Robbins	N.Y.	A.B. 1048, Florida State University Butler, Margaret Carroll	Wash
Bure Invern Harmint	Va.	Butler, Margaret Carroll	Mont
A B 194", Butler University		Butler, Marie Christine	1/3
A B 1947 Butler University Barras, Walliam Norvell Barras, John Withrow	D.C.	Butsuris, Marguerite Elaina	Md
Barris, John Withrow	Va.	Butterbaugh, Anne Marie	
Barris, Robert Eugene	III.	A.B. 1941, New York University	
Borron Charles, Jr.	D.C.	A.M. 1042. Columbia University	DC
B shs. George Aloysius B sghs, James Joseph Burroughs, Sherman Everett	D.C.	Butterfield, Horace Bushnell	
B ighs, James Joseph	D.C.	B.S. 1922. United States Naval	
Burroughs, Sherman Everett	D.C.	Academy	Calif
B.S. 1924. United States Naval		Butterfield, Sara Barbara	
Academy	71.7	A.B. 1017. Whittier College Button. Dale Leon	Kans
Burrow, William Gordon	Va.	Button, Dale Leon	Kans
Burrows, Kenneth Wilsom Bursley, Patricia Elizabeth Burson, Edna Ruth	D.C.	Button, Jack Blair	
Bursley, Patricia Elizabeth	D.C.	A.B. 1947. A.M. 1948, University of	11.
Burson, Edna Kuth	Miss.	Kansas	V'a
Burstein, Flarvey	Nebr.	Butts, Dorothy	DC.
Burstein, Rena Benson	D.C.	Butta, William Aglonby Butz, Barbara Ann	1/3.
Burt, Iune Dolores	D.C.	Butz, Barbara Ann	13.
Burtner, Robert Rauch	Pa.	Buzzell, Donald Alan	WPPPYYXX
Burton, Elinor Lucile	D.C.	Byers, Harry Lawrence, Jr. Byers, John Nortin	DC
A.B. 1945, Sarah Lawrence College	N.Y.	Pursuan Poheet Mark	DC
Rurton, Harry	Va.Y.	Bynum, Robert Mark	1. 1.
Burton, Joseph John		Byrne, Helen Green	3.4.
Burton, Joseph Kearney	Md.	Byrne, Iames Anthony	80
Ph.B. 1944, Lovola College	DC	Byrne, Michael Toseph	
Burton, Lockwood Duquesne	D.C.	Byron, William Hern	PC
Burton, William Miles	D.C Mass.	Byrniewsky, Barbara Frances Bywater Maurice John	Pa
Busalacchi, Iulia		Bywater Manrice tonn	
Bushy, Andrew Lyttleton A.B. 1942, Mississippi State College	Miss	Bzura. Mildred Marearet	
Purchas Ismas Palah Is			
Buscher, James Ralph, Jr. Buschmeyer, Frederick Sherman	Va. N H	C	no Rico
Buser, Elizabeth Anne	DC	Caballero, Barnch Otto	NY
Russe Ruth Marian	Mo		Calif
Bush, Donald Cochran	Pa		no Rico
Bush. Fred Marshall	Miss.	Cabrera-Ramirez, Pablo Augusto	D.C
B.S. 1010. United States Naval	TATIBB.		
Academy		RS 1046. Carnegie Institute	
Rush Jereminh Fatell	Va.	Technology	DC
Bush, Joseph Francis	D.C.	Cadeaux, Albert Helale	pc
B.S. 1047. Mount St. Mary College	Brito.	Technology Cadeaux, Albert Helsle Cadeaux, Ralph Helsle	br
Bush. Margaret Anne	NC	Cadmus, Richard	

Cadow, Dorothea Mathilda	D.C.	Cameron, Margaret Lillian	N.C. N.Y.
	D.C. N.Y.	Cameron, Richmond, Jr.	Ohio
A.B. 1938, College of St. Rose B.S. 1940, Simmons College Casar, Marion Frances Cafferty Parick Locals		Cameron, William Kimmel	OBID
B.S. 1940, Simmons College	0.4	A.B. 1945. The George Washington	
Cagar, Marion Frances	Mass		NY.
Cafferty, Patrick Joseph Cafferty, Petrick Joseph Cafferty, Patrick Joseph	D.C.	Camback, T. Emerson	W.Va.
Caffisch Fearly Athan	Wis	BSC 1940, AM, 1941, University	
Cafrich, Frank Albert Cafritz, Isabel	D.C.	of Oklahama	
Cafritz, James Edward	D.C	Carrier Ann	Va.
Cafritz, James Edward Cagan, Leon Howard	Mass	BS 1948. The George Washington	
	Ga	Listersity	144
Cahan, Jules Isaac Cahn, Frank Bernard	136	Camp Gles Darwin	Md.
Cahn, Frank Bernard	Md.	Camp Patricia Vin Camp V ctor William	2010
	Mass	Camp Votor William	1) (
Cahoon Lynda Lee	1.1.	Campanna, Innati s naward	1)(
	D.C.	Campagna Joseph Herry	12
Cain, John Wallace Cain, Thelma Shirley Cairna Fidon Shirley	1.1	C 1-11 Arrhar Bernard Ir.	DC.
Cairna, Eldon James	W	Camp. Patricia Atin Camp. Votor William Campana, Invario & Edward Campana, Invario & Edward Campana, Invario & Edward Campana, Invario & Edward Camphell, Arthur Bernard, Jr. Complete Barbara Camphell, Charles Arayll Camphell, Charles Francis Camphell, Charles Francis Camphell, Charles Fraderick Camphell, Charles Fraderick Camphell, Charles Fraderick Camphell, Donald Mired Camphell, Donald Herman Camphell, Donald Herman Camphell, Donald Herman Camphell, Donald Herman Camphell, Francis Wilter Camphell, Francis Wilter Camphell, Francis Wilter B S. 11446, Rhode Island College of Edwarden	\'a
A.B. 1047 A M.	Md	Campbell Charles Arryll	[)(,
A.B. 1947. A.M. 1948, University of California at Los Angeles Cajigas, Paul Anthon		Campbell Chicles I divard	1)(,
Cajigas, Paul Anthony Caldwell Retty Loop	D.C.	Committeell Charles Fidus	Kv
Caldwell, Betty Jean B.S. 1945, Kansas State College of Agriculture and Applied Science	Va	Campbell Charles Frederick	Va.
B.S. 1945, Kansas State College of	-	Campbell Clarence Herry	Mars.
Caldwell Calling And Applied Science		Campbell Donald Mired	MG
Caldwell, Callis A.	Utsh	Campbe'l Devald Herman	Cons.
Caldwell, Callis A. Caldwell, Edward Richard Caldwell, John Thomas Caldwell, Margaret Caldwell, Margaret Caldwell, Margaret Caldwell, Wilfred Gene	D.C D.C	Campbe'l Doca'd Harb	(() () ()
Caldwell John Thomas	D.C	Can phell, Dor's Lorra ne	D I
Caldwell D. Margaret	_ Va	Campbell, Francis W ef	10.1
Caldwell, Wilfred Gene	Tenn.	B S 1646. Rhode Island College of	
B.S. in E.E. 1945, M.S. in E.E. 1948, Purdue University Caldwell, William Harold, Jr. Calboun, William Harper Calkins, Constantis H	Ind	C. J. D. Francis Wilson	NC
1948. Purdue University		Campbell I' inch which	
Caldwell William Harold In	Va	North Carolina	
Calhoun, William Harrer	W.Va	Compell Course \ Invent	1)(
Calkins, Constantia H.	Va.	Campbell James Franklin	Arız.
Callaghan E	Mass	Campbell Tames Joseph	DC
, 199. Dilect States Malatager		Campbell, Francia Witer BN 1946, Rhode Island College of Federation Campbell, Francia Wilson BS an FE 1947, University of North Caralina Campbell George Vincent Campbell, James Franklin Campbell, James Franklin Campbell, James Rosept Campbell Tames Robert BS an FE 1944, Ohio Northerr	Va.
Callahan John Francis Callahan Marie Sie Callahan Marie Sie		BS in F.E. 1941. Ohio Northerr	1
C. John Francis	NY.	University	
Callaban as Robert	1 2	Campbell John Kerh Campbell John Kerh Campbell John Kerh	Ma.
Callahan, Martha Anne	Va_	Carpbell lobs Howard	DC
Call ander, Ann Deeley Call ander, Chester Lee A.B. 1940 University of Chil	Tenn.	Campbell John Keith	W Va.
allanda-	Calaf.	Campbell Tovie Sirilda	Va.
A.B. 1940, University of California Callander, Vincent Irving	Calai.	Campbell Louis Cellars Ir Campbell Maranet Elizabeth	Va.
Callander, Vincent Issues of California	21.1	Campitell Margaret Pagabeth	DC
Callaa, Elizabeth E.	N.L D.C.	Campbell Mildred Ann	DC.
A.B. 1916, Lenoir-Rhyne College	D.C.	Carabell Narcy Ruth	Va.
Callanay, Charles Calvin	Olla	Campbell, Middred Ann Campbell, Paimer Campbell, Paimer Campbell, Paimer Campbell, Passi a Marparet Campbell, Passi Calvin	DC.
Callaway, Joseph Easterling	Ask.	Campbell Paul ('a'vin	Pa.
A.B. 1916. Lenoir-Rhyne College Callaway. Charles Calvin Callaway. Joseph Easterling Callaway. Mariella McCown Callogary. Claude Leon	Okla		
Callow, John Edgar Callow, John Heney	Mil	Pennas Ivanas State College	
Callow, John Edgar Callow, John Henry Calomiris, Willie Don ald Calrow, Paul Emeraco	D.C D.C	Campbel! Robert Mexander, Jr	Vz
Company State of the State of t	D.C	Campbell Stenese It	DC
Calrow, Paul Emerson B.S. 1944		AB 1941 Duke University	-
B.S. 1944. University of Minnesot. Calvin, Charles Joseph Calvo, Mary Alicia Camacho-Torres, Gilberto	D.C	AB 1941 Duke University Campbell Will am Neil Campbell Will am Robert	Tenn.
Calvin, Charles Ineeph of Minnesot	В	Campbell W.I' am Robert	Md
Camari Alicia	Va	B & 104 . A feet in Ot Manightania	pc
Cambouri, Marie-Louise Acci	D.C	Camp bell, Yo'anda Aroni Camp on Harold Joseph	1.6
Cambouri, Marie-Louise Antoinette B.S. John Joseph		Camp-on Harold Joseph	lowa
Camby, John Joseph B.S. 1941, Carney	D.C	Campo Victor Charles	DC.
m 1941, Carnesia v	Pa.	Campacionico, Carina contin	Panama
Camelin, Kenneth Camelio, Joseph Albert Cameron, Archie Fines		Carada William James	N.Y.
Camelio, Joseph All.	Colo	BS 1946 Fords am University	K,
Cameron, Archie Enos	Colo N.Y	Cinafan Everer Daniel	
Cameron, Betty Jean	nc	Canavan, lobs, lames	Fla
	DC	Canby Medford Parr Jr.	DC.
Camera 1912. University	D.C.	Canney, Will am Molyneux	
Cameron, John William	F 0	Cannon, John Andrew Cannon, Walter Robert	Md D C
	DC.	Cannon, Walter Robert	100

			202
Canter, Lillian	N.Y.	Carpenter, Richard Edison	Md.
A.B. 1940, Brooklyn College		A.B. 1935, Dartmouth College Carpenter, William Otis	Ky.
Cantini, Humbert John	N.C.	Carpenter, William Otis	Mass.
Cantley, Thomas William	S.C. N.Y.		Ga.
Cantor, Israel	N.Y.	Carr, George Latayette	N.Y.
A.B. 1946, Brooklyn College	D.C	Carr, George Lafayette Carr, James Harry B.S. 1938, Columbia University Carr, Robert Addison	
Cantor, Neil Jay	D.C. D.C. D.C. D.C. N.Y.	Carr Robert Addison	Calif.
Cantrell, James Muir	D.C.	B.S. 1932, Ohio State University Carr, William Ellsworth Carr, William Hoyt	2.63
Cantrell, Lawson James, Jr.	D.C.	Carr, William Ellsworth	Md.
Cantwell, William James	N.Y.	Carr. William Hoyt	S.C.
Canty, Owen Francis Joseph	D.C.	B.S. 1940, Furman University	Ohio
Canulla, Guido John	Mass.	Carr. William Larwill	N.Y.
Capestany, Roberto Alfonso Pueri	o Rico	Carrara, Daniel Anthony	to Rico
A.B. 1948, Polytechnic Institute of		Carrasguillo, Ana Puer	1).
Puerto Rico	Pa.	Carrick, Lester Forest Carrig, Rome John	D.C.
Capizzi, Edward Joseph	DC	Carriker, Guy Homer	D.C.
Caplan, Dorothy Hulda	D.C.	Carriker, Guy Homer B.S. 1942, University of Texas	0.0
Caplan, Leon Sandler Caples, Willis Harry B.S. in Ed. 1946, University of	Calif.	Carrillo Maria Manuela	D.C.
B.S. in Ed. 1946, University of		A.B. 1929. University of Fuerto Kick	Iowa
Oregon		Carroll, Charles Francis	N.Y
Cana John Walter	N.J. D.C.	Carroll, Douglas Stewart	Tenn.
Cappelen, Louise Anna Munthe Caprow, Janine Marie Carabas, Frank	D.C.	A.B. 1911. Maryville College, Tenn.	
Caprow, Janine Marie	D.C N.Y.	A.M. 1948, The George Washington	
Carabas, Frank	D.C.	Liniversity	92.
Caracciolo, Francis Samuel Carau, Frank Louis, Jr.	Va.	Carroll, Norman Sellman Carroll, Thomas Wynn Carroll, Virginia D.	N.Y.
Carballo, Caridad Mercedes West	Indies	Carroll, Thomas Wynn	Ala
Carbone Hubert Louis	N.Y	Carroll, Virginia D.	Fla.
Carbone, Hubert Louis Cardano, Ferdinand Sabastian	D.C.	Carsey, Juanita Anderson Carson, Arthur Naedle	D.C.
Carey, Mariorie Lucia	Mass.	Carson, Arthur Naedle	
Carland, Eugene Carlin, Doris Letitia	N.C.	B.S. 1944. California Institute of	
Carlin, Doris Letitia	D.C.	Technology Carson, Elmer Jackson B.S. 1020. A.M. 1932, Columbia	Va-
Carlin, John Francis	Pa.	RS 1020 AM 1012 Columbia	
Carlson, Betty Lou	Va. D.C		D.C.
Carlson, Herbert Donald	D.C	Carson, Martha Yarrington	D.C.
Carlson, Howard Kenneth	Iowa	Carter, Charles Carroll	Ga.
Carlson, Jeanine Elizabeth Carlson, Randolph Adair	D.C.	Carter, Cranford	Ill.
A B 1048 Brown University		Carter, Darrell Denmeade	111.
A.B. 1948, Brown University Carlson, Theodora Elizabeth	Nebr.	University Carson, Martha Yarrington Carter, Charles Carroll Carter, Cranford Carter, Darrell Denmeade Carter, Doris M.	Va.
A.B. 1010. Nebraska State Teachers College, Wayne		Carter, Elizabeth Carsey Carter, Ethel Robinson	Va.
College, Wayne		Carter, Ether Roomson	Ohio
Carlton, Harry Nelson Carlton, Virginia May	D.C.	Carter, George Washington A.B. 1048. The George Washington	
Carlton, Virginia May	Mass.	liniversity	Va-
Carmine. William Edward Carmine. Walter Carne, William Benton	Va. Va	Carter. Harold Martin	40.
Carmine, Walter	Tenn.	B.S. 1942, Roanoke College	Va.
B.S. in B.A. 1943, University of	I cum.		Lew
Tennessee		A.B. 1917, A.M. 1920, Yale Universell. B. 1941, The George Washington	1117
Carneal, Owen Haskins	Va	LL.B. 1941. The George Washington	UI.
Carnes. Raymond Eugene	Md	Chiversity	12
A.B. 1946, The George Washington		Carter lack Carter, Jennie Malin	Mi
Iminterestor		BS in El 1941, University of	
Carney, James Wayne	D.C	Louis lle	
Carney, James Wayne Carney, John Edward Carney, Mary Lindsay	DC	Carrar Kerneth I verett	(ionb
Carney, Mary Lindsay	Va	Carter, Lyon Edwar Carter Mardyn	(1
Carnivale. Caroline	D.C.	Carrer Marilyn	lic
Caro, Joseph Henry		Carter, Nev-Ile Wynnore Carter, Peyton Francis	1.1
B.S. 1943. Northeastern University	N.Y	Carter, Peyton Franki h	ONLY
Carof, Sybil Phyllis	Ohio	Carter Robert Irving	18
Caron, Anna Mae Carothers, Constance Olive	Mass	Carter, Sidies	
Carpenter, Anita Jean	Vs	Carter, Sidies B.S. in Ch.E. 1942. College of the	1
Carpenter, Anita Jean Carpenter, Caleb Fred	Okla.	Carter, Will am Joseph Carters Cennes Votor Carters Will am Joseph Carteret Cennes Mitot Carter Tomas Joseph Caroll, Leonard	12
A.B. 1948, The George Washington	OETA.	Carter M.dl. are Laurelle	
University		Carteret Centre Mant	De
Carpenter, Edwin John, Jr.	D.C	Cirtin Thomas Joseph	28455-
Carpenter, Gladys Rosemary	Fla.	Carull, Leonard	
Carpenter, Joel Victor	Va	Caruso, Lawren e Robert	101
Carpenter, Marie L.	Ark.	Caruso, Lawren e Robert	

C 1	9.7	Cause Annual Loren In	La.
Caruthers, Chester Preston	Va.	Cavitt, August Loren, Jr.	DC.
Caruthers, Theresa Carolyn	Va.	Cawley, Eugene Horan	Md.
Caruthers, Chester Preston Catuthers, Theresa Carolyn Carvalho, Nysa Wanderley	DC.	Cawood, Mary Alice	Md.
	Conn.	Cava, Albert, Jr.	N'C
ALL LICUIDE ee	Md	Cearly, Landis Powell	N.C. D.C.
ander long Pater	Calif.	Cease, Lysle Willard	D.C.
distroy a detuno i nocencio III	D C Va.	B 2 1050' Cuited States tasast	
Case, James Sanford	Va.	Academy	DC
Caselton, Paul Nicholas	m.	Cederstrand, Nettie	D.C.
Casella litti indo	Va.	Centor, Fred Ceolla, Roland Peter	D.C.
A B. 1941, Colgate University LM, 1947, Co. York University		Ceolla, Roland Peter	Mich.
M. 1947. New York University		Cerda, James John Cerne, Rose Ann	Md.
	Oreg. N.Y. D.C.	Cerne, Rose Ann	Mo.
die frank Dilan	N.Y.	Cerra, Arthur Joseph	N.Y.
	D.C.	Cerstvik, Milan Stephen	N.J. D.C.
	Va.	Cervantes, Robert Martinez	D.C.
	D.C.	Ceschin, August John	Pa.
BS. 1923, United States Naval	Mass.	Chabinak, Lillian Hutchison .	Va.
B.S. 1923, United States Naval		B.S. 1939, State Teachers College,	
Academy		Salisbury, Md.	
M.S. 1930, Columbia University Cash, James Barrett, Jr. Cashman, Robert William		Chacalos, Sophia Z.	W Va.
Cash. James Barrett Jr.	Ark.	Charinas Frances	DC. DC. DC. DC. D.C. N.Y.
Cashman, Robert William	DC		DC.
	D.C.	Chares Anthony	DC.
Caron, James H.	1 -	Chacos, Anthony Chacos, Maria George Chacos, Nicholas George Chad. Seymour Walter	DC
CHES. PARTER OF	D.C.	Chacos Nicholas George	D.C
Cassedy, Vesta	Md	Chad. Seymour Walter	NY
	1910	AR was l'ouerner of California	
Cassel Frederick Henry	N.Y.	at Los Angeles Chadderdon, Wallace Henry Chadduck Walter Preslev Chadwick, William Edward	
		Chaldedon Wallers Honey	Va
	Md.	Chaldrah Walter Presier	D.C.
Coolege Carella Constant Const	ш	Ct. Inich William Edward	Va
Cassell Texton e		Chadwick, William Edward	Iowa
Cassidy, Lewis Cochran	N.Y.	Chaffee Tack Dempater	NY.
Cassidy, Sally Ann	DC.	Chafkin, Solomon Herman	14 2 .
	Mich	BBA 1946. C llege of the City	
Cassidy, William David	D.C.	of New York	
11 THE George Washington		A.M. 1948, Harvard University	DC
Beers - The second seco		Chakeres, Pauline George	D.C. D.C. N.Y.
Castillo love Maria AB 1943. The George Washington Castle Fields	Md.	Chakeres Pete	D.C.
AB WAR TO	DC.	Chilha, Seymour	N 1.
The George Washington		("a mers, "c man roward	N.Y. Va.
Castle, Evelyn Starr		Charles Make	Va.
Castle, John Bayne	D.C.	A.B. 1927, Winthrop College Chamberlin, Beverly Mann	
Cast north Dayne	Md.	Chamberlin, Beverly Mann	Va.
Castro, Anthony Joseph Caswell, Robert Little BS 1939, University of California	D.C.		M125.
Caswell P. Joseph	D.C	Chamberlin Gus Walsworth Chambers, Ann Darglas	DC.
BS Robert Little	Calif	Chambers, Ann Donglas	De
BS 10,10. University of California Caswell, Ruth Virginia Catalan, Elena Josefina			D.C.
Catalan Kuth Virginia	D.C	Chambers, Jay Lee Chambers, Walter Joseph	D.C
A R. Elena Josefina	D.C.	Chambers Walter Joseph	D.C
Catalina, Stephen Patrick	00.100	Chambling Charles Folkard	DC
Catalina Stephen Patrick Cates, Walter Clayton Revenue Raymond	DC	Chambelles Charles Feward Champanne Marte Anthony	La.
Cates, Walter Clayton Cates, Raymond B.S. 1928. University of Arizona Catlett, Donald Roy Cathoth, Paula May Caton, Crison Vertal	Mont.	B.S. 1931, Louisians State	
R c Kaymond	D.C	(Inipersity	
Catlete Day, University of Asirona	60.0	Champion Congres I	DC.
Catlett, Donald Roy	Md	Champion, Geneva L.	Calf
Caten Paula May	D.C	Chan Silver Kanah	China
	DC	Chan, Chong h wor	DIC
Catholican, Robert Matthew Carlfield, Donald John Carlfield, Mildeet F	1,6	Chan Arther Chan Chone Kwok Chan May	DC
Carly Denald John	11.	(121242 11 125	1.1
Cante and Mildre F		() are Arth 1 Vicholas	Md.
Causell Samuel Juseph	DC	Chandler, Altred White	1'3.
Caralle Victor John	Va	Chariller, Harild	Nehr.
Cavilled, Donald John Caviltedd, Mildred F Cavilhedd, Satured Joseph Cavagnertt, Victor John Cavallari, Velma Antoinette Cavalle, Ganic Nicholas Cavalle, Guido Cavanagh, John Edward A B	N'a	Channe Arth ny Nicholas Chandler, Alfred White Chandler, Handd Chandler, Herbert George Chandler, Mitray Leslie Chaney, Ina Kerby AB 1931, East Central State College	DC
Carallo, Frank Nichotae	NY	Chardler, Muray Leilie	
Cava Guido	Mass.	Chaney, Ina Kerby	Okla.
Cavanagh, John Edward	Mass	AB 1911, East Central State	
Cavas 1941, University of C	Oreg.	College	500
	-	Chaney, John Lester, Jr.	D.C.
A B. 1941. University of Oregon Cavanagh, Thomas Edward, Ir B.S. Wincent Depart	711	Chang Changy	DC.
Cavanaukh, Vincent Depaul	Pa.	Chang Helen Demary	DC.
	rge	AB 1011, Westen College	
B S. 1934. Pennsylvania State Colle	Va.	Chaney, John Lester, Jr. Chaney, Chanev Chane, Chanev Chane, Heles Demary A.B. 1911, Wheaten College B.S. 1914, M.S. 1956, Simmone	
State Colle	Re	College	

			NII
Chang, Richard I-Feng	China	Cherrett, William James	N.J. W.Va
A.B. 1945, Saint John's University		Cherrington, Jane Bell	D.C.
of Shanghai		Cherry, Dorothy Mildred	Va.
LL.B. 1949, DePaul University	D.C	Cherry, John Claston, Jr. Chertoff, Mitchell	N.Y.
Chang, Shil Ju Changl, Weymer Lee	Va.	Chertok, Leonard	D.C.
Chap, James John	N.Y.	Charwal Stanley	Mass.
A B 1911, Bates College		Chesley, Emory Willard	Vs.
MS 1712, H.D. 1934, Massachuset	1.5	A.B. 1948, Western Maryland	
State Chiese		College	NV
Cha, m., Mary Charlotte	DC.	Cheslow Ernest	N.Y.
Co, an Harvey Reese, Jr.	Va.	B Ch. E. 1939, College of the City of New York	
Chapane, Chaplia Beechum	Va.	of New York	n.C.
Chapteriotis, Le Proce	Pa.	Chesney, Daniel Roger	D.C.
P B 1/12, U k uson College	21	Chesney, Richard Earl	Calif.
Cap nan, Allyr Dean	Va	Chester, Annabelle Journal	Ohio
Claqua, Carles William	Va.	Chester, Russell Gilbert A.B. 1945, Baldwin-Wallace College	
C. Poun, Las I Graham	D.C. Mich	Chestnutt, Warren Lyawood	
Co.,an, Dorothy Abbott Chapman, Edward J.	Pa.	Chew, Allen Frank	Pa.
A.B. 1919. Loyola University	8.41	Chew. Ernest Benjamin	D.C. J.C.C.C.C.D.C.C.D.C.
Changes Lames Flict	D.C.	Chewieg, Thomas Waddy, Jr.	D.C.
Chapman, James Eliot Chapman, Jean Charlotte	Md	Chewning, W. Ha Jane	43.
Chapman, Katheryn Dawsey	D.C.	Chichester, Sid out Toldes, Jr.	D.C.
B.S. in L.S. 1941. The George		Chicovsky, Marium Charlotte	D.C.
B.S. in L.S. 1941. The George Washington University		Chiesa, Vera Maria	D.C.
Chapman, Nelson Stockton	Md	Chieu, Bud Ming	Fla.
Chappel, Martha Ella	Colo	Child, Daniel Keigwin	D.C.
Chappell, Elizabeth McGaw Chapper, Frank Morris Charles, Arbelia Mae	Tenn.	Childe, Laurel	
Chapper, Frank Morris	D.C	B.S. 1045. University of Chicago	
Charles, Arbelia Mae	Va	A.M. 1946. Columbia University	1,850
B.S. in Ed. 1944. Mary Washington		Childers, Louis Edward	D.C.
College	12.	(llari, Josephine Catherine	N.Y.
Charnes, Leah	Pa.	Chillemi, Richard Leo	N.Y.
A.B. 1948, The George Washington	D.C.	Carlow Work	D.C.
University		Chin, Nancy Wong Chin, Richard Kwok-on	N. C.
Chase, Roland Hamilton	D.C	Can Robert	D.C. N.Y. D.C. N.Y. D.C.
Chase, Ruth Judith	Md.	Chentz, Aaron	Md.
A.B. 1915. The George Washington		China, Howard Ersel	Calif.
University		Cl. nn. Ruby	D.C.
Chaney, Harry Lewis	Va	C: pman, Francis Stanton	D.C.
Chasey, Harry Lewis B.S. in Ed. 1934, Rutgers		Cl. relstein, Marvin	Md.
University		Cl sm, Robert I stan	12.
Chassan, Jacob	D.C.	Chismar, Paul Herbert	Va.
B.S. 1939. College of the City of		C) stenden, Joe Daniel, Jr.	Va.
New York Chatelan, Diane Louise		Charter len LeRoy Robert	D.C. N.Y.
Chatelan, Diane Louise	D.C.	Chartes len LeRoy Robert Chartes len LeRoy Robert Char Sha Tim	N.A.
Chatham, Elmer Albert	Va	BS 1448. College of the City of	
Chatham, Elmore Ross	Tex	By 1 My College of the Coll	Wis.
Chatham, Marie	D.C	New York	Pa.
A.B. 1047. A.M 1048. The George		Choate, Roser Sears Chocola, Jack Robert B.S. 1948, West Virginia Universit Chocola, Richard Adolph	
Washington University Chatenuck, Stephen	N.Y	R.S. 1948. West Virginia Universit	Pa.
Chavez, Mary Armigo	N.M	Chocola Richard Adolph	N.Y.
Checkoway, Abraham	Va	L hornet. Helen	Maine
	Hawaii	Choroszy, John Marjan	Maine D.C.
B.S. in Ed. 1016, University of		Choulas, James George	China D.C. D.C.
Hawaii		Chow. Bettine	D.C.
	D.C	Chramiec, Alexandra Wanda	D.C.
Cheezum, Helen Alberta	Md	Charleshoon Issues Appel	
B.S. 1945, State Teacher College, Salisbury, Md		A.B. 1947, Western Maryina	p.C.
Salisbury, Md	-	College	Pa.
Chemin. Antonio	1.7.3	Chrisman, Melvin Lee	D.C.
	D.C.	Christ, Christ C.	
A.B. 1048, Lingnan University	China	Christeller, Norman Lee	Md.
Chen, Ming Chen, Tung-yu Jeannette	. D.C.	A.B. 1941, Oberlin College Christensen, Clarence Peter	Mont.
A.B. 1943, Manchester College	. D.C.	Christenson, Earl	
Chenault, Helen Lawana	Tex.	Christensen, Earl A.B. 1943. University of Montes Christensen, Warren Alfred Christenson, Cullen Yates Christenson, Donald Edward	Mil.
Chennault, Joe Young	La	Christensen, Warren Alfred	D.C.
Chepauskas, Vincent A.	D.	Christenson, Cullen Yates	43.
Chernitzky. Alvin	NY.	Christenson, Donald Edward	

Christian, Leonard D.	Okla,	Clark, Belvia Elaine A.B. 1946, The George Washington	Va.
	Iowa	A.B. 1946, The George Washington	
	III.	University Clark, Boswell Johnson, Jr. Clark, Carolyn Lucille Clark, Charles Robert	Va.
1938, State University of		Clark, Boswell Jonnson, Jr.	D.C.
Christianese Ford F.	971-	Clark, Carolyn Lucine	Va.
Christiansen, Fred Kjargaard B.S. 1937, Midland College Christie, Ruth	Nebr.	Clark, Charles Willard	Oreg.
Christie, Ruth Christie, Thomas Heroie B.S. 1920 College	III.	Clark, Clara Belle	N.C.
Christie, Thomas Harris	110	Clark, Donald Lewis	V2.
		Clark, Donald Roy	Nebr.
Mary Contege of William and		Clark, Donald Roy Clark, Edmund Berrigan	D.C
Christoph, Kathryn Helen Christopherson, Olaf Warren A.B. 1946, The George Washington University Christovich, Charles George	D.C.	LL B 1942. Harvard University Clark, Edward Francis, Jr.	21.2
A R Warren	Minn.	Clark, Edward Francis, Jr.	N.J.
1940, The George Washington	}	Clark, Ellen raylan	Colo Va.
Christovich, Charles George	-	Clark, Elsie Graham	Va
Christovich, Charles George Christovich, Stanley Martin Chitesis, Alexander Chryskis, Joseph E. Chu, Esme Yun, Yun	Pa.	Clark, Elsie Graham Clark, Eugene Evans Clark, Functe Flem Eg	DC
Chromis, Alexander	Pa. Pa.	Clark, Frances Elizabeth Clark, George Henry, Jr. Clark, George Henry, Jr. Clark, Gwendolyn Jane Clark, Gwendolyn Jane Clark, James Farrell Clark, James Harry, Jr. Clark, James Loosard Clark, Jocelyn Clark, John Edward B.S. 1927, United States Naval Academy	2 2
Chrysakis, Joseph E. Chu, Eame Yun-Yun	D.C.	Clark, Frances Elizabeth Clark, George Henry, Jr.	D.C.
Chu, Esme Yun-Yun	China	Clark, George Ordway	Va
	Continue	Clark, Gwendolyn Jane	DC
Shanghai		Clark, Hurry Loin	/ 3
A.M. 1948. The George Washington		Clark, James Farrell	Md.
		Clark, James Harry, Jr.	Va. Ga. Fla
Chu, Kuana Ch.	N.Y. D.C.	Clark, James Leonard	Ga.
AB IOTA TANK	D.C.	Clark, Jocelyn	Kans.
Chu, Kuang Che AB 1037. University of Political Science, Nanking, China AB, Louise AB, 1942. Wellerley College		Clurk, John Edward States Manual	1/200
Chubb, Louise	Mo.	Academic States May21	
A.B. 7942. Wellesley College M.S. 1944. Washington University Chudy, Martin James	MIO.	Academy Clash Library	Maine
Charles 1943. Washington I prograte		Clark, John M Clark, John Robert Clark, Judith Walker	111
Chudy, Martin James Chudzik, Adalian Chi	R.I.	Clark Judith Walker	DC
Chudail, Adeline Celia	Va.	A.B. 1948. The George Washington	
Chudzik, Adeline Celia Chudzik, John Stephen	N.Y.	University	
11. Inc Lienree Washington		Clark, Lyman Ernest	M
A.B. 1948. The George Washington University Chun, Chu Man		Clark, Malcolm Cameron	D.C
Abrah A Lit	China	University Clark, Lyman Ernest Clark, Malcolm Cameron Clark, Marcelle Lille A B 1-10. North Georgia College Clark, Maurice Hatrison Clark, Manine Willa	Md
AB 1948 The C	Fla.	AB 1,10. North Georgia College	DC
Charlesoty George Washington		Clark, Mair ce Harrison	D.C.
P.O. Frederick Lawin	Va.	Clark, Maxine Wills	Md
A B 1944. The George Washington Church, Frederick Lewis B S. Frederick Lewis In B A 1943. American Church, Jane Otale. A B 1948. The George Washington Church Jane Otale.	VI.	Clark Orpha A BS 1941 University of Maryland	58.525
Church, Jane Otele		Clark, Raymond Dykes	Va.
A B Jane Otela	Va.	BS 1948 University of California	
C. L. HIVETHEY OF Sauthann		at Los Angeles	
		Clark Richard L well	DC
	Md	Clark Robert Alart Ir.	DC
A B. 1941. The George Washington Chyatta Marketsity	D.C.	Clark Sam Echola	Als.
		Clark Varias	DC
b and diline	-	Clark, William	DC
Ciarroca, Louis, Jr.	DC	Clark, W am Bert	(()
Ciarrocca, Louis, Jr. Cifelli, American Teachers College Ciarrochi, Eli Cifelli, American Teachers	N.J.	at Lot Angeles Clark, Robart Lawell Clark, Robert Vlair, Jr. Clark, Sam Echola Clirk, Victoria S Clark, William Clark, W am Bert Clark, William Carl B S 1946 Comberland University	Tenn.
Cifetti de Calt	Pa	BS 1946 Comberland University LI B 1944. The George Washington	
	7.1	LI. B 1941. The George Washington	
Cinck, waki, Edwin William Cinck, John Joseph Cinck, John Patrick	N.J.	Concenty	
Cioth John County William	Pa.	Clark, William Giddings	IMPO
Cinel, John Patrick	D.C.	Clark, William Richard	Va
Cisena, Kathleen Louise	D.C.	Clarke, Addison	Md
	Kans.	Clarke, Helen Berg	Va
Cizanal Bernard Francisce		Clurke, James Brent, Jr.	DC
A.B. 1939. Maryville College Citrenhaum, Bernard Francis A.B. 1942, Maryville College A.B. 1942, Maryville	D.C.	Clarke, John James	Pa
	N.Y.	Clarke, Laura Matilda	D.C
Cagett, Mant It Dame Linimale		Clarke, Mal. In. Danglas, Jr.	DC
A.B. 1942, Manhattan Coffeee Clarett, Marshall Demon University Clancey, John Thomas	DC	Clarke, Peter Ethelston	D.C.
	Md	Clarke, Thomas McTyphe	Va.
Cancy, Philip Chilliott	Man.	A.B. 1946, The George Washington	
	N Y	Clarke, Helen Berg Clarke, James Brent, Jr. Clarke, John James Clarke, John James Clarke, Mal. In. James Jr. Clarke, Mal. In. James Jr. Clarke, The man McTyphe A.B. 1948, The George Washington University Clarke, William Garland	Va
Clapper, Finley Newell Clare, James Haser Clark, Allen Cutt	D.C.	Clarke, William Garland	11
Clark, Allen Culling	N.C.	Clarke, William Garland A.B. 1947, B.C.L. 1948, College of William and Mary	
- antel	D.C.	Clarkson, Julia Ann	DC.
	-	The state of the s	

		mate Autor Hamall	D.C.
Clary, Mary	Va.	Cobb. Arthur Howell	Mont.
A.B. 1917, College of New Rochelle	7.11	[ODD. I DOULES LABITORIE	W.Va.
Clausen Kosemary	III.	Coberly, James Harold	
	DC.	A.B. 1933. A.M. 1938, The George	
Clawson, Peter Carroll	DC.	Washington University	Md.
Clawson, Peter Carroll Clay, George Williams Clay, Harry Clitton Clay, Katharine Wise Clay, Lucas D., Jr. Clayton, Christopher Sudlow Cleary, Jeanne Audrey Cleary, Vincent Walter Cleaver, George Harris	Md.	Coblenzer, Mervin	D.C.
Clay Harry Clifton	DC.	Coburn, Myrtle L.	Mich.
Clay Katharine Wise	Va.	Cochran, Anne L.	
Clay Lucas D Is	12.	A.B. 1946, Stanford University	D.C.
Clarton Christopher Sudlow	DC.	A.B. 1946, Stanford Onlyestry Cochran, Corinne Haddad Cochran, Dean Farrington Cochran, Douglas McCord Cochran, Hewitt A.B. 1938, Yale University Cochran, James Franklin	Va-
Clayton, Christophic Scaro	DC.	Cochran, Dean Farrington	Pa.
Cleary, Jeanne Addrey	Na.	Cochran, Douglas McCord	D.C.
Cleary, Vincent Walter	Ohio	Cochran, Hewitt	D
Cleaver, George Francis	01110	A.B. 1918, Yale University	Pa.
A.B. 1941, University of Cincinnati	D.C.		-
Cleary, Vincent Watter Cleaver, George Harris A.B. 1941, University of Cincinnati Cleaver, William Frank	Md.	A.B. in Ed. 1948, University of	
Cleckner, Marie E. A.B. 1945. College of Notre Dame of Maryland B.S. 1945. Western Reserve	.4849.	Darahasah	n.C.
A.B. 1945, College of Notre Dame		Cochran, Nancy Lou Cochran, Robert Reid	D.C.
of Maryland		Cochran Robert Reid	14-9.
B.S. in L.S. 1947, Western Reserve		B.S. in Ch.E. 1944, Tufts College	n.C.
University	Wash.	Cochrane, Frederic	D.C. N.Y. Fla
Clefton, Claude Anton	44 9311	Cocheana Harriet May	Sla
AR 1041. University of washington	91.	Cochrane, Harriet May Cockrell, Lillis Walker	Md.
Clemens, Charles Wesley, Jr. Clemens, Elaine Estelle	Va.	Codier, Ernest Oscar	Mid.
Clemens, Elaine Estelle	Iowa.	Con Anna Honton	Man.
Clement, Charles Bennett	DC	Coe, Anne Hopton	Nev.
Clement, James Francis	Md.	Co. Malan Wahater It	A to-
Clement, James Francis Clement, Mary Catherine	DC.	Coe, Anne Hopton Coe, Conway Peyton, Jr, Coe, Nelson Webster, Jr. B.S. in Ed. 1940, State Teachers College, Oswero, N. Y.	
Clements, Mary Will	14.	C-lless Oswans N V	3.7 a
Clements, Sylvia Ileen	Ark.	College, Oswego, 14, 4,	20
	lowa	Coffelt, Donald Paul	D.C. Md. D.C. N.Y. Tes.
Clemons, James Clifford Clerke, William Mortimer	NY.	Coffey, Carlton Latane Coffey, Franciscon, Jr.	Ma
Clewlow, Carl William	1.3.	Coney, Francis Marion, Jr.	D.V.
Cliffied George Minott	Maine	Coffey, Phillip Max	N. 1
Clifford, George Minott Clifford, Marvin Butler	Tenn	Coffey, Richard Eugene	701
Climord, Marvin Societ	Mass.	Coffey, Robert Arthur	Va
Clifford, Thomas George	Tex.	Coffin, Barrett Franklin	Utah
Clift, Robert Morris	Tenn.	Coffey, Phillip Max Coffey, Richard Eugene Coffey, Robert Arthur Coffin, Barrett Franklin Coffin, Charles Franklin Coffin, James Clyde	Minn.
Clifton, Ernest Ridley	111.	Coffin, James Clyde	D.C.
Climpson, Harley Ronald College of		Coffman, Alice Anton	V2
Climpson, Harley Ronald LL.B. 1940, Washington College of		Coffman, Clara Lillian	Cuba
I aw	Ind.	Cofiman, Alice Anton Cofiman, Clara Lillian Cofino, Alfredo Ernesto	D.C
Cline, Joe Edward B.S. 1948, Butler University Cline, June Antonia			
B.S. 1948, Butter Curversity	Va.	LL.B. 1940, The George Washington	- 0
Cline, June Antonia		University	D.C. D.C. Md. D.C. D.C.
A.B. 1946, Roanoke College	DC.		D.C
Clines, Thomas Gregory	34	Cohan Philip Cedric	D.C.
Clingan, Courtenay	198100.	Cohen Albert Abraham	Md
B.S. 1910, A.M. 1911, Millsape Colle	Mich.	Cohen Alvin Maxwell	D.C
	When.	Cohen Reenard	D.C
B.S. 1942, University of Michigan		Cohen Retty Lee	Md
B.S. 1942. University of Michigan M.S. 1948, The George Washington		Caban Donald Sidney	
University	3.6.1	R.S. 1047 University of Maryland	344
Clokey, Mitchell Chase	Md.	Caban Edwin	Va
Clokey, Mitchell Chase Clore, Nona	D.C.	Corswell Raymond Louis Cohan, Philip Cedric Cohen, Albert Abraham Cohen, Bernard Cohen, Bernard Cohen, Bernard Cohen, Bernard Cohen, Donald Sidney B.S. 1047, University of Maryland Cohen, Edwin Cohen, Edwin Cohen, Ernest Samuel B.C.E. 1918, College of the City of New York Cohen, George	
	NI	D.C.E. sans College of the City of	
Close Franklin John	1	R.C.E. 1019' Contella or one	Mass
Close Marion Campbell	D.C.	New York	Same
Close, Franklin John Close, Marion Campbell A.B. 1928, The George Washington		Cohen, George	
University		B.S. 1948, University of	nC
Cloud Albert Morgan It	Iowa	Massachusetts	13.0
Cloud, Albert Morgan, Jr. Cloud, Dorothy Ball	1'4.	Cohen, George Joel	VY
Clous, Gwendolyn Ruth	Md.	Cohen, Gerald Cohen, Herbert Cohen, Howard Martin	D.C. D.Y.Y.
Clause Devid John	Va.	Cohen, Herbert	14.0
Clouser, David John	Va.	Cohen, Howard Martin	
Clouser, David John Clouser, William Fleming, Jr. Cloutier, Rita Gertrude	DC.	A.B. 1948, The George	
Clauses Charles James	W Va.		N.Y
Clowser, Charles James		Cohen, Jack	W.V
A.B. 1947, Shepherd State College	DC	Cohen, Jeanne	A1
Cluff, Leighton Eggerteen	Va.	Cohen, Jules	
Clute, Robert Eugene	10.	Cohen. Jack Cohen. Jeanne Cohen. Jules B.S. in E.E. 1938, University of	-
A.B. 1947. University of Alabama Clyde, John Francis	17-	Washington	D.C
Clyde, John Francis	Va.		
Clyors, William Owen	Conn.	Cohen, June Rae B.S. 1945, The George Washington	
Coalson, Thomas Ernest	Va.	University	
Coates, Augusta Maude	Md.	O LATER TO THE PARTY	

			D.C.
Cohen, Lawrence	N.I	Coleman, Juliet Cox A B 1927, University of Richmond	D.C.
Cohen, Lillian Minnie	D.C.	Coleman, I.ilian Wyette	DC
Conen, Marvin	Pa		DC.
Cohen, Marvin Bernstein Cohen, Melvin	D.C D.C		10.0
A.B. 1018 Recokium College	27.0	Coleman, Mary Filen	DC.
A.B. 1938, Brooklyn College Cohen, Morris	D.C.	BS 1757, Mad son College	MJ.
Cohen, Paul	N. L.	Coleman, May Late B S. 1944. State Teachers College, Towson, Md	
A.B. 1932, College of the City of		B 5. 1941. State Teachers Conepe.	
	01 -	Coleman Robert Frances	DC
Cohen, Ralph Irwin	Ohio		NY.
A.B. 1941. Washington and Lee		Coleman, Vinited Israel Coleman, Winited Israel Coleman, Winited Israel	D.C.
Cohen, Richard Edmand	D.C.		17.0.
	DC. DC. DC.	AR 104c. The Create transmission	
	DC.	1 mivers ts	DC.
	DC.	Coles as Prokopes	DC
Cohen William Stanley	DC.	Coles Max B Cod Robert Wilson	DC.
Cohen, Sheldon Stanley Cohen, William Cohn, Harold Joseph A.B. 1011 Object Standard	Ohio	Colla Mary Ameria BFA 1975, Oklahoma Agricultural and Mechanical College	DC. DC. DC.
A.B. 1931. Ohio State University	CHILD	B.F.A. 1917, Oklahoma Agricultural	
Cohn, Leonard Earl	Md.	and Mechanical College	Pa.
Cohn, Sylvia	DC.	Coller, Ada K	1-2.
Coln, Sylvia Coll, Sylvia Coll, Emory Alfred Coit, Lew Garrison, Jr. Cokenias, Nicholas Trephon	Ohio	BS 1948, Dakinson College Collet, William Anderson	DC.
Cokenian Minister II.	313	Collet, Wam Atalerson	V'a
A.B. 1041 A.M. 48-0 The Comme	DC.	Co. er, C.voe weism	D.C.
Washington University		B.S. 1912. Northwestern University	
	S.C.	Caller, Edwin	N.J.
	66.	Collier, James Cecil	Va.
Coker, Robert I niversity		Coilier, Leon Edward	DC.
Coker, Robert Harry	DC	Collier, Edwin Collier, Leon Edward B S in L. J. 1940. Temple University	13
Colamo, Frank	710	Coller, Mobel Louise Coller, Would Hard Coller, Would Hard Coller, Would Lee	DC.
BS 144. United States Military		Color Is and toward	Va
Constitute in the second	1 3		DC.
Colbert Robert Clester	Md	Call ear, James R ley	DC.
Collorn, Paul Applehy	Md	College James R ley	Va
Colburn, Katherine Seconds University		(a) re (res fail	Tex
Cole Casparatine Stewart	1 2	Coll us, Date hamand	Calif
	Ind	Call as Course Cievas	D C Fla
Cole, Llizabeth Tracks	DC.	Coll ns. Helen Mostery	2.15
Cole, Elizabeth Tracks A B. 1948. The George Washington Cole, Fewarek Farl Cole, Head to	12	Coll no. Helen Mostery A B 1731 Florida State College for	
Cole Tiversity		Women.	V2
Cole Fernanck Farl	DC	Colline Henry D'Alton	
Cole, Herold Flwood	Pa.	BSC 1942, University of Notre	
BS 1914. United States Naval		Dame	Kans.
Cole II I		Coll us lank I	DC
CAB. 1947 Willenberr C. II	V'a	Coll ns. James Homer Coll ns. John Charles	16
Cole Marguerite E. B. 1947. Wittenberg College	N.J.		N.C.
D. 1944. State Teachers College		A B 1941. Wake Forest College	
		Called ments	Md
Be will would	DC.	Coll ns loveps I shop	Pa.
Cole, Ralph John		(of the M had loseph	71.
11 1948, The Games W. 1	Pa.	Calles Toseps Takn (alles Methods Toseph Colles Morre Reseal Linon	\'a
Cole, Rosery		By 1 Mr. Ittermognism can	
Colo Worder Charles	111.	College	Kans
Coleman Cort Sirvey, Jr.	DC	Collins Percy Henry Jr BS 1941, Kansas University	
Coleman, Carl Shaughnessy Coleman, Catherine Verdia	Tenn.	RS 1941, Nancas University	DC.
Coleman, Earle Edervice	DC	Collins Samuel Tames	Pa.
A.B. 1948, The Con-	NY.	Collina Webster Harace	DC
Coleman, Carl Shaughnessy Coleman, Catherine Verdie A.B., 1948. The George Washington Coleman Vision		Called William Revision	Fla
Coleman Bridge	1	(" sa W " m Turnet	DC.
	Na Md	Collins, W. Jam Reph Collins, W. Jam Revision Collins, W. Jam Thomas Collins, W. Jam Thomas Collins, W. Jam Thomas	NY.
Coleman, Florence Beatrice	1,4	AB 1945 The George Washington	
A.B. 1933. The George Washington	1.4	Un versity	241
Coleman, George Melchiades Coleman, Harvey Ryon		Collis John Leon	Md.
Coleman, Harvey Ryon	DC	B S 1948, United States Navai	
7.01	DC	Academy	

		C - ni-ti	Va.
Collum, William J.	Va.	Conn. Richard B S 1010. United States Naval	
B.S. 1938, United States Naval		A demy	
Academy	T) C	Cont portion, John Hamilton	D.C.
Colmer, James Henry	DC.	Come! Icm (a)	Fla.
Colner, Bernard J	DC.	Correll, lean Carl Correll for a Cubbs, Ir.	Va.
A.B. 1940, Brooklyn College	Ohio	Cornelly Francis Becker Cornelly Francis Becker Corner John Paul	DC.
Colville, Robert Allen	11.	Conselly Francis Becker	Va.
Colvin, Harold Bradford	111	Corner John Paul	Pa.
Colvin, Julia		Cor. or on Losept. John	Pa.
B.S. 1940. Bradley University	1'a.	Cor. Is Joseph Stillbard Jr.	N.Y.
Colvin, Katharine A.B. 1946, Bryn Mawr College		Cornection Juseph John Cornectiv Juseph St. Hard Jr. Cornelly Museuret Frances	D.C.
Colwell, Millicent	Cato	AB. 1 45 The George Washington	
Combelic, Donn	D C.		p.C.
Combs, Albert Ann	11 1 3.	Connor, Andrey Mor e A.B. 1948. Treaty College	17.0
Combs. Henry	1) (A.B. 1945. Triests Collège	DC.
Camba William Edward	DC	MD 1943. The George Washington	
Comingore, Clara Louise Comisarow, Paul B.S. in A.E. 1944, University of	DC	MI) 1911, The Crorge Washington	
Comisarow, Paul	1.7	Chiversia	DC.
B.S. in A.E. 1944, University of		Contact, Joseph Daniel	35d.
	D.C	De la Maria State Teachers	
Commerce, Viateur Moise	D.C.	College Frosth ry	
B.S. 1010. University of Washington	Pa.	College Pressive by A.M. 1942 University of Maryland Constors, W.B. am Perick Consover Harry Arthur Control, Edina Livesesston Control, Robert W.B. am Control, Robert W.B. am Control, Robert W.B. am Control, Robert W.B.	n.
	£ 18 .	Convers W. Fam Paris	Pa.
Commins, James Atton B.S. 1948, Bucknell University Compter, Paul Richard, Jr. Compton, Charlotte Compton, Lohn Richard	Md.	Course Harr Arthur	DC.
Compher, Paul Richard, Jr.	DC	Contad Edual version	12.
Compton, Charlotte	13	Conal Times Calvin	pic.
Compton, John Richard Compton, Milton Edwin, Jr. Compton, Ross Harrington	D.C.	Corral Robert William	1/2
Compton, Milton Edwin, Jr.	1 a.		* .
B.S. 1927. Massachusetts Institute of		RS total Principla College	D.C.
Technology		Corroy, Lances Frances Corroy, Lances Frances Corrodo Salvadore Anthony	Neb! D.C.
Camulada Manual	Md.	Corroy, James Francis	D.C
Constant Astern Robert	M3.	Corsolo Salvadore Anthony	D.C
Conant, Artman Robert Camant, Dee Roser	Tex.	Constitution & Description	
	1 2.	Continue Divid	Va
Conant, Eugene LaVern	DC		N.Y. D.C.
Conant, Robert Charlton	DC	Conte, Joseph Phillip Conti, Carl Conrad Conti, Reno Joseph B.S. in Ed. 1948, University of	N.Y.
Conason, Emanuel Voltaire	NY.	Conti, Carl Conrad	D.C.
Conaway, Harold Leonard	La	Conti, Keno Joseph	
Conaway, Harold Decitary	Pa	B.S. in Ed. 1948, University	V
Conboy, John Anthony B.S. 1948, University of Scranton			N.Y.
D.S. 1948, University of Sciences	D.C.	Continetti, Frank Edward Conton, William Harry	Va.
Concelia, Katherine Concors, Edwin Robert	Pa	Connect Empets Gaddie	nC
Concors, Edwin Robert	D.C.	Conway, Emmett Gaddis Conway, Ralph Hayes	D.C.
Condolon, Leo Christy	NY.		D
Condon, Mary Louise			
LL.B. 1942, University of Omaha	D.C.	M. B.A. 1040. Northwestern University	Calif.
Condon, Theron Elwin	27.6.	Conzeiman, Gaylord Maurice	D.C.
B.S. in M.E. 1934. Northeastern		Coogan, lames Francis	D.C.
University	Fla	Cook Carl Frederick	30 454
Cone, Dorothy Morton	DC	Cook Charles Francis	D.C.
Cone, William Henry	1	Cook, Carl Frederick Cook, Charles Francis Cook, Ellen Jane Cook, Frances Rowena	Ark.
A.B. 1042, Emory University LL.B. 1048, Harvard University		Cook, Frances Rowena	Va.
LL.B. 1948, Harvard University	DC.	Cook, George Farnham, Jr.	D.C.
Conelley, Dorothy Brenneman Confrey, Magdalene Santell Conger, Harriet Myers A.B. 1939, Smith College	DC	Cook, George Farnham, Jr. Cook, Herbert Daves	N.I.
Confrey, Magdalene Santell	la.	Cuok, James Manning B.S. in Ed. 1941, State Teachers College, Fredonia, N.Y.	
Conger, Harriet Myers	b all .	B.S. in Ed. 1941, State leather	nc.
A.B. 1939, Smith College	D.C.	College, Fredonia, N.Y.	D.C. D.C. VL
	1, C.	Cook Ioun Marie	VL.
A.B. 1937, Cornell University	Ohio	Cook. John Mason	4
A.B. 1937, Cornell University Conklin, Earl Biddle B.S. 1942, Brown University	Unio	Cook, John Mason Cook, Kenneth Wilmot	Md.
D.S. 1943, Brown University	DC.	A.B. 1043. Dartmouth College Cook, Marion Francis	Va.
Conklin, Nancy Jane		Cook, Marion Francis	Pa
Conley, Betty Jane	Ind.	Cook, Myron Clinord	
A.B. 1010. Indiana University	DC	Cook. Rae Constance B.S.C. 1940, Temple University	Va.
Conley, Kenneth Alvin	DC.	B.S.C. 1040, 1emple	D.C.
Conley, Maurice Joseph			D.C. D.C. Va.
Conlon, James Ambrose	N.Y.	Cook, Vone Austra	Va.
Conn, Gilbert DeVoe	Md.	Cook, Thomas Erwin Cook, Vane Austin Cook, William Gwynne Cook, William Thomas	D.C.
B.S. 1934, The George Washington		Cook, William Thomas	
University		COOK. WILLIAM SHOW	

Cooke, David Ohlmer NY	Corbets, Eugene Paul Ohio
Day 1041 M S 1040 Buildin Store	AB 1944, Mount Union College
Cartiers College	Corbin James R Sett Va. Corl to De r. Hamlen DC
Cooke, Edward Andrew D.C.	Cookey Joseph Tromas, Ir D.C.
Cooke, Frederick Adolphe B.S. 1000	The state of the s
B.S. 1939, Massachusetta Institute of	Corcell, Peter Paul
CUCKE Robert Consu-	II B 1975 Washington University
N C	Corc'ell, Peter Paul DC
T.D. 1910. College of William and	Correct Treate Money
	Corder Lucille D. Neb
A.M. 1937. The George Washington	Cordero Sara
University	Cork m Asna Elizabeth Macs Okla
Cooksey, Hobart I ouis	
B.S. 1940, University of Missouri	Con Tool or
Cookson, Joseph William Cookson, Raymond Theodore Cooley, Edwin Panish	College
Cooley, Edwin Remick Kans	Cornel Lacy Paul D.C.
A.B. 1934. Municipal University of	Con at Andrew DC
Carl	Correct LeRoy William
Const. Adm Brosson D.C.	A Town of Done A Property
Control for Md.	1 B 1 14 C1 1611 (1 0) MICH 2 10
C. Viarie l'a	Con well Matt's Damel
Cape Coal Pa	
Cally C Property Co.	
A.B. 1947. The George Washington University Cooper, Daniel Louis	Corrado Joseph John DC.
Curversity Occase washington	Corrado Tourph India Corrado M. Lee Anthony D.C.
Cooper, Daniel Louis D.C	Care la Roma et ceste
Cooper, Earl Dana Cooper, Elizabeth Mary B.S. 1930 Median C.11	AB 1-4" American University
B.S. Clizabeth Mary N.Y.	Correa Leonel Laro
Tooms Of the William College	Content Louis Jumes
Cooper, Grace Muners D.C.	
A.B. 1942 The Committee Mich.	AB 1918, University of Maryland
Cooper, George Huners Cooper, Grace M. A.B. 1947. The George Washington Cooper, Harold Shallon	LL.B. 1942, The George Washington
Cooper Harold Shelby D.C.	Corso, Victor D.C.
Cooper, Joseph Emerson Ind.	A.B. 1941, Queens College
A.B. 1938, Indiana University	Cortex Fackiel Cosimiro.
Cooper, Leonard Frederick Cooper, Lloyd Franklin	A.B. 1943, New Mexico College of
COUNTY IN THE PROPERTY OF THE	Agriculture and Medianic Arts
Cooper O. Everyn	Corun Hessels Bates Md
Cooper D. I Wilde, It. Ark	BS 1914 Calamba College
Coome D witten	Corvin, Alice Physiceth
A.B. Paul David A.B. 1939, Western Maryland College Maryland Maryland 1943, University of	Corwin Leonard Lel
M.S. in Ed. 1049 Hainwained College	B.S. 194" Rospers University Coscrove Tomas Filward Md.
Maryland Cooper Pulland	Cosler McK niev Phipps
Cooper, Ruby Bonita Ohio	Coster Mck niev Phipps Cosmala Leuere Ann
Cooper William Ohio	Cosmala Lenore Ann Cosman Alvin
C 1910, M.S. 1040 Beach	Cosner Harry Walton Most
Cooper, William Hurlbert A.B. 1946, Western Reserve University Cooperman, Bernard Robert A.B. 1945, The Second Processing	Cost Martha Payne
C.A.B. 1946 Water Ohio	Costa Liene D (
Cooperman, Bernard Robert A. B. 1945, The General W. 1945, The General	
A R. 1945, The George Washington	II B 1911, Cornell University
	II M 1048 Georgetown University
Coote, Thomas David, Jr. Coover, Mullen Onle	Costa Robert Ol ver Hawaii
Coover, Mullen Ogle A.B. 1044	
M c The Onenhard Season O M	
Cope, Harland Burleigh Kans,	Constitute (a con 112 ac
A B Burleigh	
One At My Biversity of Francisco	Contract to the same of
Copeland, William Long Pa. Coplan, Robert Science Pa	
Collan D	
A M	
Copps I. t. John Hooking I'm	Co. was seen as a
Comman, Howard P. A.	
	Cotteell Walter Nevins D.C.
Copped . Att	Co. ble, Alexander John
Copsey, Jesse Fabian D.C.	B.S. 1919, United States Naval
Va.	Academy

			- 0
a the position of	Wash.	Crabtree, Martha Jane	D.C.
Couch, Leo Donald	W man.	Craddock, William Wood Craft, Alvis Mahlon	Md.
A.B. 1948, University of Washington Coulombe, Eleanor Jones	D.C.	Craft Alvis Mahlon	D.C.
Coulombe, Eleanor Jones	D.C.	Crafe Marcha Hickman	Va.
	D.C.	Craft, Martha Hickman Craft, Robert Harold	D.C.
B.M.E. 1948, The George Washinger	311	Crance John Henry	D.C.
University		Cragoe, John Henry Craig, Cecile Elizabeth	D.C.
Coulson, William Treat	Va.	A.B. 1947. Clark University Craig, Daryl Edward A.B. 1947. Knox College Craig, Dwin Richardson	
Coult May	N.H.	A.B. 1947, Clark Chiverney	111.
A.B. 1947. The George Washington		Craig, Daryl Edward	
Discount W		A.B. 1947, Knox Conege	DC.
Coultrip, Raymond Laverne, Jr. Cound, John James Counselman, Francis Mervin	Iowa	Craig, Dwin Richardson	13
Cound. John James	Va.	Craig, George Arthur	DC.
Counselman, Francis Mervin	Va.	Craig, Neil	DC.
B.S. 1948, Georgetown University Couper, William Paul		Crang, Paul Max	14
Courses William Paul	D.C.	Crang, William Franklin	DC.
Couperthwaite, Charles	D.C.	Craig, Winona Bernadine	D-
Carrie Wadio Alexander	D.C.	Craig. W. Mar Franklin Craig. W. Marn Franklin Craig. Winona Bernadine B.S. 1047, Purdue University Crain. Ralph Rendell	Va
B.S. 1948, Georgetown University		Crain, Ralph Rendell	pc
B.S. 1948, Georgetown Carretty	D.C.	Crammond, James Darwin Crandell, William Palmer	241
Courtillet, Marcel Hawii		Crandell, William Palmer	MJ
A.B. 1943. Lycee Shoelcher Fort de		Crane, Esther Sibyl	NI
France, Martinique	DC	Cases James Desgan	12
Courtis, Constantine	D.C.	Crane, James Deegan RS 1042 Georgetown University	53 C
Courtney, Gilbert Rodda	Md.	B.S. 1947. Georgetown University Crane, James Fifield	D.C.
Countriest Ann	Conn.	Crane Jone Neacy	DC.
Couser, Christian Rewoldt	D.C.	Crane, Joan Nancy	Die
Cousins, Helen Loretta Cousins, Wallace Dane	D.C.	Cranford, John Ringer	12.
Cousins, Wallace Dane	D.C.	Crank, Terrell Harvey	DC.
	D.C.	Crankshaw, Harold George	
A.B. in B.A. 1934, Graduate School of Economics and Business Sciences, Athens, Greece A.B. in Law. University of Athens,		B.S. 1928, Carnegie Institute of	
of Economics and Business Sci-		Technology A.M. 1913. Cornell University Crasses, William Constantine Cratty. Thomas Dodds	
ences, Athens, Greece		A.M. 1013, Cornell University	DC
AB in Law, University of Athens,		Crassas, William Constantine	P3.
Greece.		Cratty, Thomas Dodds	13
Covell, Betty Vernon	D.C.	L ravens. Walter Jensen	Md.
Covello, Vincent Anthony	D.C.	Conw Alexander Robert	
	D.C.	B.S. 1939, Depaul University	-
Cover, Kichard Gordon Coviello, Marcel Anthony Cowan, David B.S. 1943, Tufts College Cowell, Charles Ellwood, Jr. Cowing, William Lawrence Cowie, Margaret Helen Cowles Calvin David	D.C.	B.S. 1939, Depaul University M.S. 1941, University of Notre Dat	Md.
Covietto, treates Anthony	Mass.	Crawford Armon David Acheion	
D.C. soas Tufes College		B.S. 1010. United States Naval	
C Charles Ellmond Is	Pa	Academy	S.C.
Cowell, Charles Eliwood, Jr.	Va	Countered Exist Flore	p
Cowhig, William Lawrence	Ohio	B.S. 1948, University of South	
Cowie, Margaret Helen	Utah	Carolina	1/2
	Centi	Completed Gordon Paul	Jon 2
B.S. 1946, University of Utah	97.0	Crawford, Gordon Paul Crawford, Howard Irvin	Idaho
Cowles, Frank Lyle, Jr.	Va.	Crawford, Howard IIVin	100
Cox, Donald Gilmer	D.C.	Crawford, Jack Edwin	Di.
Cox. George Benjamin	Md.	Crawford, Jack Edwin Crawford, John Erwin Crawford, Sadi Stroenider	
Ph.B. 1947, Northwestern University Cox, George Joseph		B.S. 1924, Ohio State University A.B. 1946, The George Washington	
Cox, George Joseph	Pa.	B.S. 1924, Ohio State University	
For Herman Pimer	10.0	AB, 1946, The George Washing	01
Cox. Jay Deane	Va	University	DC.
Cox, Jay Deane Cox, John Balkum Cox, La Verne A. Cox, Lewis Calvin, Jr.	Okla	University Crawford, Seth Turner, Jr A.B. 1047, Harvard University	EN.
Cox. LaVerne A.	Nebr.	A.B. 1947. Harvard University	Dr
Cox. Lewis Calvin, Ir.	N.M.	Creamer, Francis Joseph	2.0
Cox, Omer Loraine	III.		
Cox, Sidney	Maine	A.B. 1948, University of North	
Cor Wallace Kaith	D.C.	Carolina	DC
Cox, Wallace Keith Cox, William	D.C.	O I A Casalia	Va.
Coule Flinsheeb March	Va.	Creekmore Russell Whitheld	Mars
Coyle, Elizabeth Marsh	R.I.	Creichton William James	
Coyle, Kathryn Rosamond	80.01	Creamer Hugh Cassell, It.	Utah
A.B. 1915. Emmanuel College B.S. in Ed. 1916. Rhode Island		Crallin Tack I as	11.3
B.S. in Ed. 1910, Knode Island		Come Anthony Rido	12.
College of Education	W.Va	Creedon, Agnes Ceceia Creekmore, Russell Whitfield Creighton, William James Crenner, Hugh Cassell, Jr. Crellin, Jack Lee Creme, Anthony Rido Cremen, William Starr	N. N. D.N. EDD.
Coyle, Mary Peters			D.C.
Coyne, Joseph Patrick	D.C.	Cremerius, Marie Rose	N.J.
A.B. 1939, St. Ambrose College	201	Creson, David Boone	10 C.
A.B. 1930. St. Ambrose College Coyner, Owen Faber	Md.	Cresthull, Esther Creswell, Richard Nicholas	D.C.
Coxan, Lee William	D.C.	Creswell, Kichard Policies	p.C.
A.B. 1947. American University Cozmy, K. John	WII 2 2 4	Creveling, Cyrus Robotins	F18-
Cozmy, K. John	W.Va.	Crewe, William Fenn	D.C. Va.
Cozzi, Aldo John	N.Y.	Creveling, Cyrus Robbins Crewe, William Penn Crews, Frederick Donovan	Va.
B.S. 1946, M.S. 1947, Stevens		Crichton, Charles Franklin Crigler, Thomas B., Jr.	
Institute of Technology		Crigler, Thomas B., Jr.	

Criner, Herschel Burbee	Ark.	Crupper, Joseph Lee	Md.
Crisp, John Kibler, Jr. Crisp, William Earl Crisa, Filmore Francis A.B. 1048, West Virginia University Critwell, H. Donald Crites, Margie Helen	Ga	Crusemire, William	DC.
Crisp, William Earl	Va.	Crusius, Alice	Md.
A Pilmore Francis	Md.	B.S. 1948. Washington University	DC.
Critwell H Donald Virginia University	DC	Cryden, loseph	67 6.
Crites, Margie Helen	D.C. W.Va	AB 1914. MS, in Ed. 1916, Harvard University	
Crittenden, Eugene Casson	**. * 4	Cucatto, Osvaldo Domingo	DC. DC. SC. DC.
Crittenden, Eugene Casson	D.C.	Cacolo Agries Betty	DC.
A.B. 1905, Cornell University Crocker, Meda Frances		Cudd, George B	S.C.
Crocker, Meda Frances	Ga.	Coddy, William Thomas	Md.
A.B. 100mas John	Coun	Cudl.pp. Irene M BS 1926 Johns Hopkins University	.984.
	Va.	A.M 1915, Columbia University	
	VA.	Collegente Reid Taylor	DC.
Georgetown University		Caltane, Robert W. Iliam	NY. DC.
Crogan, John Charles Croker, Leo James Crom, Curtis Griswold Cronin, G. S. Honey	Va.	Calkin, Joseph Gene	DC.
Crom Cursia C	Md	RS 1012 (Versity of Scranton	Va.
Cronin, G. S. Homer	Va	Callen Frank Haywood	DC
Ph.B. 1937. Holy Cross College Cronin, James Joseph Crook, Frank Whittaker	D.C.	Cullen Joseph Daniel Cullen Marie Agnes	NH
Cronin, James Joseph	11.	Coller Paul Joseph	()) 0
Cronk, Frank Whittaker	Mass.	Colley Perry Hager	Calif
Crooker, Barbara T	Va.	Culley Perry Hagor Culley William Francis	Calif R I D C
Crookshanks Carleton College		Cup. Theodore Francis	D.C.
Croon, Bernard Herman	D.C.	Culpepper, Robert Everett	NY.
Crosby, Herbert Lee	Va.	AB 1948 Die Citadel Culver, Walter Francis AB 1942 University of Nevada	Nev
Crosby, John Raymond	DC.	AR roat University of Nevada	1464
Crosby, Herbert Lee Crosby, John Raymond Crosby, Kenneth Ward B.S. in Ed. 1050, Wilmington College Cross, Carville Joseph Cross, Carville Joseph Cross, Dan Morente	Ohio	Cumbee Bestha I dia	1.9
AM Ed. 1939, Wilmington College	BIR	Combee Harold Ralph	DC.
Cross Caluido, Haverford College	, ,	Commer, John Robert	DC.
Cross, Carville Joseph Cross, Dan Norman Cross, Dan Norman Cross, George Franklin Cross, George Franklin	Mass.	Commings, Dane May	(115 a)
Cross, Dan Norman	Md.	Cummings Fileen Jane	DC Va
Cines, Francis Insent	lowa	Commings, Frank	NJ
Cross George Franklin	DC	Commongs, George Patrick Commongs, James Robert	lowa
Cross. George Franklin Crossen, Garl St. 1	DC.	A B 1942. The George Washington	
Convert vy aldon	DC. DC. DC.	University	
Crouch, Hasell Wilkinson Crouch, Robert Cullen	DC.	Cummines Lilla Burt	DC
	DC.	Cumn ngs Robert Emmet	12
	D.C. D.C. D.C.	Cummings Sanwel	De
Crovo, Patricia Ann Crowder, Elvin Edmont	2353	Commongs Starley	Mats
	Md.	BS 1948 Georgetown University Cummings Day d	DC
Crowell, Jack	D.C.	Committee Mar on Taylor	DC.
D. J. Inc. Co.	Md	Cummins Will am Finn	DC.
University Crowley Live George Washington	4.003	BS 1940 Webb Institute of Naval	
Crowley. James Worthington A.B. 1939. College of the Cian of		Arib reit re	
A non William	Tenn,	Cumpiana Brunilda Edmer	1
No. 1939. College of the Cine of	Md.	Could H Charles	\ 2
Crowle Aout		BS . ME 1916 The George	
Crowther, Dean Kay	NY	Cur wan Conge W an.	DC
	13	Corraciam Carrer re Beutine	() hold
	DC	Convergiam, Fittl Virginia	12
Crucet, Arthur Manuel	France	A.B. 1747. The George Wash agron	
Criger, Doronhea AB 1948 The George Washington Criger, Floasie George Washington	Ciha	1 s. verviev	
University The George Washington	DC	Curn rham Grace Faspel	Mil
Cruzer, Florise Genevieve		AB 1948, Go ter Cillege Caragham Hele Electric Controllan William Police	Macc
	Fla	Current m W 1 on Porce	. 1
		Carles W am Hears	Alia
C Maral	\a	Course She'ha Mr Lell Tr	1 -
Crumles II		Carrier Wave Ray 1000	111
Crumley Howard Lee	3.0	Carrier Water Rull roson Corrier Lord Largetord Corrier Bridge Operators	1 (
	12.	Corre Brice Correct	Ala.
Commette Irena B	11/2	Carv lot a Vicent	N 1. SD.
Crummett John David Crummett Irene Baker Crumpler, Roland Crumpler, Roland	DC	Curry Mary Carloring	DC.
Crupain, Eli N	DC NC NY	Carry Locatta Lace Curry Mary Carberine B S 1942 New York State College	
AB. 1940, Brooklyn College	7 1.	for legiters	
'' course		Carry, Michael Paul	Pa

			97.
	Va.	Dalrymple, James McIver Dalsheim, Henry Monroe Dalton, Charles Edward Dalton, Dionne Dalton, Eileen Elizabeth Dalton, Elizabeth Victoria R.S. in Ed. 1042, Madison College	Va.
Curry, Stowers Leigh	Md_	Dalsheim, Henry Monroe	N.Y.
Curtin, John Dominic, Jr.	Conn.	Dalton, Charles Edward	Va.
Curtin, Paul Kener	Md	Dalton, Dionne	D.C.
Curtin, John Dominic, Jr. Curtin, Paul Keller Curtis, Harold Marshall	Wis	Dalton, Eileen Elizabeth	Va.
Curtis, James Lekoy	D.C.	Dalton, Elizabeth Victoria	Ann
Curtis, James LeRoy Curtis, Kenneth Edward Curtis, Lyle S. Curtis, Mattie McCain Curtis Robert Edward	Utah	B.S. in Ed. 1942. Madison College Dalton, Martin Frank Dalton, Rea Elizabeth Dalton, Stanley Charles, Jr. B.S. 1947. Renselaer Polytechnic	N.J.
Curtis Martie McCain	Va.	Dalton, Martin Frank	Va.
Curtis, Robert Edward	Md.	Dalton, Rea Elizabeth	D.C.
Curties leaning	Md.	Dalton, Stanley Charles, Jr.	
	Minn.	B.S. 1947, sommerses	
B.S. 1915. United States Naval		Institute Dalton, Thomas James Dalton, William Robinson Daly, Elizabeth Teresa Daly, John Joseph Dalzell, Harry Blackburn	Va.
Academy	D.C	Dalton, William Robinson	Va.
	D.C.	Dalton, William Roomeou	Va.
Custer, Robert Franklin Custer, Cleo A. Custer, Edward Scheid Cutter, Charles Russell R. S. 1042. California Institute of	Va. Pa.	Daly, Liteabeth Person	D.C.
Custer, Cleo A.	Del.	Dalzell Harry Blackburn	D.C.
Custer, Edward Scheid	111.		ortugal
Cutler, Charles Russell	2001	Dambrosio, Alfred John Dambroski, Stanley George	D.C. Pa.
		Dambroski, Stanley George	p.C
Cutter, Slade Derille	Va.	Damelin, Jack	D.C
B.S. 1935, United States Naval		Damelin, Jack B.S. 1942, University of California Dameron, Carlton Sherwood, Jr.	D.C.
Academy		Dameron, Carlton Sherwood, Jr.	D.C.
Cutting Seymong Austin	D.C.	D'Amico, Albert J.	Die
Cutting, Seymour Austin Cuttitta, Frank	D.C.	B.S. 1947, American University Damm, Cyro Damm, Gloria Lydia Damm, William Karl	D.C.
B.S. 1017. Brooklyn College		Damm, Cyro	D.C.
B.S. 1937, Brooklyn College Cutts, James Madison	D.C.	Damm, Gloria Lydia	R.I.
Cwajgiel, Leon	Israel	Damm, William Karl	Mass.
Czajkowski, Norman	N.Y.		Ohio
Casenacki Marian Anthony	Wis.	Damron, Charlotte Mooar	
Czerwinski, Walter Julian	D.C.	A.B. 1940, Wellesley College M.S. 1942, Rutgers University	
Czerwinski, Walter Julian Czeskieba, Irwin Victor	Wis.	Danahan Thomas Patrick	N.Y.
Mar.		Dancy Allen Insenh	\'a. \'a
D		Danaber, Thomas Patrick Dancy, Allen Joseph Dancy, Norman Louis	
Dabney, Linwood Morton, Jr.	Md.	D'Andelet, Helen Mae	DC
DaDamio, Valentine Joseph	Pa.	D'Andrea Angela Kost	Wash
Daggit, Edward Arthur	Va.	Dane, Genevieve O'Leary	Ps.
Daggit, Elizabeth Middleton	Va	Dane, Michael Nicholas	1.1
	Md.	Danforth, Robert Compton	p.C.
A.B. 1924, Yale University		Daniel Remard H	
Dahlberg, Richard Ernest	Pa.	A.B. 1051, Ouachita College Daniel, Neil	DC
Dahlgren, Frances Veola	Mass.	Daniel, Neil	DCC.
Dahring Bruce P.DREDG	Tenn.	Janiel, Robert Herman	D.C.
B.S. 1918. North Dakota Agricultu	ral	Daniel, Virgil Daniel, William Jeffress	1.6.
College		Daniel, William Jeffress	
Dailey, Catherine Bernice	Conn.	B.Ch.E. 1947, North Carolina State	97.0
Dailey, Jesse Oswald Dailey, Robert Engle	D.C.	College	Va.
Dailey, Robert Engle	W.Va	Daniels, Almon Edward	w.Va
B.S. 1948, The George Washington	1	B.S. 1937. University of Florids	Md.
University	N.Y.	Daniels, Howard Kennetii	Pa.
Daitz, Bernard David	V4.9.	Daniels, Mary Catherine	Md.
A.B. 1016. Brooklyn College		Daniels, Miles Dewey Daniels, Richard Gauntlett	Pa.
M.S. 1938, Columbia University Dale, Carolyn Olson	D.C.	Daniels, Thomas John	Md.
Dale, John Estes	D.C	Daniels, Walter Melvin	Pa.
Dalada Issenh	D.C. D.C. D.C.	Designation Honey Inline	Ps.
RS 1014 Massachusetts Institut	0	Danilowicz, Frency June	
of Technology		Danilowicz, Pascal Joseph B.S. in C.E. 1949, Wilkes College	Md.
B.S. 1934, Massachusetts Institute of Technology LL.B. 1942, The George Washingto	on		
University		Dann, Clayton Sherwood A.B. 1043, University of Maryland	Als
Daley, John Nicholas	Md.	Dannelly, Frank P. Alabama	
University Daley, John Nicholas Daley, Sara I. Daley, William John A.B. 1941, Tufts College Dallachiesa, Albert Fortunato	Pa	A B 1044 I Introffity of	Pa.
Daley, William John	Ман.	Dannenhirsch, Albert	
A.B. 1941, Tulta College	Wa	Dannenhirsch, Albert B.S. 1947, Temple University	Ky.
Dallachiesa, Albert Portunato	D.C.	Danner, Virginia Marie	D.C.
	D.C.		D.C.
Dallas, John Taylor	Wis.	Danzig, Solomon Albert	
Dallatore, Roland R. Dalley, Donald Leslie	N.J.	Dapprich, Andrew Carl States Nava	
A.B. 1948, The George Washington	24.3.	R.S. 1038, Canned	Mast-
University			Service.
Dalonas, John	D.C.	Darby, Eleanor R.	

D'A. A A D.		ts Electoric	F14.
D'Arezzo, Louis Robert	R.I.	Davis, Elizabeth B.S. 1943. Florida State College for	
Dargan, Marion, Jr. Darlin, Lewis R., Jr.	N.M.	AV continues	
Darlington, Margaret B.S. in Ed. 1946, New Jersey State P'Armi, Ytalina Mary	N.J.	Davis, Elsie Wyllie	D.C.
B.S. in Ed 1046 New Jersey State	2413.	B.S. 1941, Teachers College of	
Teachers College, Glassboro		Connecticut	21.7
D'Armi, Ytalina Mary	Del.	Davis, Flion D	N.J.
	Md	Davis Pather Packellin	MJ.
Darmstadter, Joel Darr, Harry Frazee	D.C.	B.S. in Ed. 1934, University of	
Dair, Harry Frazee	Mich.	Pennsylvania	Va.
D.S. 1942, Wilson Teachers College		Davis, I ve yn Smalling	\ a.
B.S. 1942, Wilson Teachers College Darsch. Earl Clement	Va.	Davis, I veryn Smalling Davis, Frames Theoslore B.S. 1947, University of Chicago Davis, George, Jt	
A.B. 1941. Western Maryland College Daskam, Harry Mortimer Dasted, Robert Herbert B.S. 1930 United States Naval		Danis Garge It	Ind
Dasted Date Mortimer	Conn.	Davis, George Alfred, Jr.	DC.
B.S. 1939. United States Naval	Calif.	Davis, George Roland	Md.
Academa States Ivavas		Davis, Gloria Norma	DC. DC.
Paulow. Donald William	D.C.	Davis, Gordon	DC.
Daubanton, Conrad Jacques Neth	erlands		Md
Daube, Robert Walter	NY.	Davis, Harry Edward	Md.
Daube, Robert Walter Dauer, John Walter Dauer, Maxwell A.B. 1988 M.S. 1988 New York	Ky.	Davis, Henry Austin	Pa.
Dauer, Maxwell	Ky. D.C.	Davis, James Elluah	NY.
A.B. 1935, M.S. 1937, New York		Davis, James Graham	Va.
University	0.00	Davis, James Vincent, Jr.	Va.
Daugherty, Charles Raymond	Minn.	Davis, Jeanne Marie	Md.
		Davis, John Alexander, Jr.	Calif. Fla.
Daugherts Fl. 1 M.	D.C.	Davis. Grace Ann Davis. Harry Edward Davis. Henry Austin Davis. James Elluah Davis. James Graham Davis. James Vincent, Jr. Davis. Jeanne Marie Davis. John Alexander, Jr. Davis, John Mason B.S. in M.E. 1040, University of Illinois Davis John University of	Fin.
Daugherty, Floyd Norton, Jr. Daugherty, Mary Barbara Dangman		B.S. in M.E. 1940, Culvernity of	
Dansana Carry Darbara	Ind. Va	Davis, John W Davis, John Williams Davis, Joseph Howe Davis, Joseph Reid Davis, Karl Ernst	Del.
Davenport, Billy Allen	8.0	Davis, John Williams	DC.
Davenport, Cicely Meriam Davenport Coley Meriam	S.C. D.C.	Davis Joseph Howe	Va.
Davenport, John Hobson	1'2	Davis, Joseph Reid	Tex.
Davenport, Milton Monroe	Va.	Davis, Karl Ernst	D.C.
David, George E	Md.	Davis, Menneth Por	DC.
David, George E. David, Harry David Marry	Va.	TO A T. T. WELLING	Md.
David, Maurice Allen	Ind.	B.S. 1940, State Teachers College,	
David, Robert Spencer	Calif.	B.S. 1940, State Teachers College, Westchester, Pa.	Va.
BS 1938, University of California Davidow, Herbert Harvey Davidson, Chester Pater		Davis, Lilla Wimbish	Conn.
Davidson, Chester Peter	D.C.	Davis, Martin Thomas B.S. 1048, Rensselaer Polytechnic	Coun.
Davidson, Edward Albert Davidson, Frank Joseph	AW. B.	B.S. 1048, Renisterate Polytochine	
Davidson, Frank Tank	Md	Institute	D.C.
Davidson, Gilbert	N.Y.	Davis, Mary Davis, Paul Lee	D.C.
Davidson, Herbert Donald	Va.	RS 1047 MS 1048. The George	
Davidson, Roy Aaron Davies, David George Davies, Edith Manyon	D.C.	B.S. 1047. M.S. 1048. The George Washington University	
Davies, David Genera	D.C. Pa.	Davis Raymond Arthur	Va.
Davies Edith Maurice	DC	Davis, Raymond Arthur Davis, Richard Frantz	Va.
Davies Helen Maurice	DC.		Md.
Davies John Rhys	W.Va.	Davis, Richard Nathan	Va.
Carlo, University of North		Davis, Robert Henry, Jr.	DC.
Davies C		Davis, Robert Hugh	Mass.
Davies, Owen Myrddin Davis, Akin Thornwall	Va	Davis, Richard Nathan Davis, Richard Nathan Davis, Robert Henry, Jr. Davis, Robert Hugh Davis, Robert Lee Davis, Robert Walker Davis, Sadye Jane A.B. 1947, The George Washington	DC.
Davis Alban Bornwill	D.C	Davis, Robert Walker	Pa.
Davis And Public Paul	DC	Davis, Sadye Jane	£ m.
Davis, Barbara Jean Davis, Christian Jean	D.C	A.B. 1947, The George Washington	
Davis Chaire Jean	Fla.	Davis Thomas Malallan Is	DC.
A B 1049, University of the South	Va.	Davis Thomas Walker	D.C
		Davis Viccinia Lee	Mass.
	9 CHH	University Davis. Thomas McLellan, Jr. Davis. Thomas Walker Davis, Virginia Lee B.S. 1058, Teachers College of the City of Boston	
Davis, David Stanley Davis, Donald St. Alley	DC	City of Boston	
Davis, Donald Bull	Ohio	Davis, Vivian Berry	Ala.
Davis, Donald Vernoy	NY.	A.B. 1912. University of Alabama	2.61
Davis, Donnell Preston	Pa.	Davis, Vivian Elizabeth	Mich.
A.B. 1945. University of South	SC.	City of Boston Davis, Vivian Berry A.B. 1922, University of Alabama Davis, Vivian Elizabeth Davis, Winston McStuart B.S. 1942, Conveyours University	Va.
Davis E			D.C.
Davis Est Harry	D.C.	Davison Carke	D.C.
Davis, Edwin Lanier	D.C.	B.S. 1048, The George Washington	
Walter LLB, 1048 The Con	D.C.	University Davison, Martin Louis	D.C.
A B 1947, LLB, 1948, The George Washington University		Davitian, Salpee	W.Va.
Adele Adele	DC.	A.B. 1947, Marshall College	

	Va.	de Camara, Richard Paul	Va.
Davitt, Edward Patrick	Conn.	DeCarlo, Eugene	Pa.
Davy, Earl Philip	Commi	DeCasso Rita Incilla	D.C.
A.B. 1948, Yale University Dawn, Carroll William	D.C.	Dechter, Gerald Yale Deck, William Horace B.S. in B.A. 1942, University of	D.C.
Dawn, Carroll William	D.C.	Deck William Horace	Md.
Dawson, Ann D. Dawson, Edward Balloch University	D.C.	RS in RA tous University of	
Dawson, Edward Balloch	D.C.	Tennessee	
	37.	Dark William Manda	D.C
	Va.	Deck, William Meade	Md.
B.S. 1946, University of North		Decker, Charles Seymour, Jr. Decker, Charlotte Burch	D.C
Carolina		B.S. 1939, Wilson Teachers College Decker, George Elwood	
Flamen Ismes Alfred	Va.	B.S. 1939, Wilson Teachers College	D.C.
Dawson, Roger Ralph	Mont.	Decker, George Elwood	Pa.
LL.B. 1948, The George Washington	1	Dedick, Hope Nadine	Va
['niversif's		Deeley, Jeane Plorence	Mich.
Dan Calvin Woodward	Conn.	Dedick, Hope Nadine Deeley, Jeane Florence Deen, Thomas Richard	Oreg.
Day, Emmett Milton B.S. 1938, A.M. 1943, The George Washington University	Va.	Deering, Harold John	D.C
HS 1018 AM 1041. The George			Pa.
Washington University		Deeyer, William Taylor, Jr.	8 101
Day, Ernest Herbert	Ohio	Deeyer, William Taylor, Jr. A.B. 1948. The George Washington	
Day, Ernest Merbert College			D.C.
A.B. 1941, Oberlin College Day, Herbert Thomas	Md.	DeFeis, Peter Pat, Jr.	Va
Day, Herbert I nomas	D.C	Dalington Released Noville	
Day, Howard MacDonald, Jr. Day, Louise Duvall Day, Robert Myron	D.C Va.	A.B. 1946, The George Washington	
Day, Louise Duvail	D.C.	University	N. V
Day, Robert Myron	Va.	DeFrin, Seymour	D.C
Dayton, William Adams, Jr.		DeGarmo, Charlotte Lou	Md.
A.B. 1947, Otterbent Conege	Ohio		IARes.
Dayton, William Adams, Jr. A.B. 1947, Otterbein College Dayton, William Russell Witnesberg College	02.0	Degee, Daisy Georgette	Belgium Md.
A.B. 1935, Willemoers Comes	Calif.	Degen, Carl George, Jr.	D.C.
	Carri.	Degges, John Frederick	D.C
A.B. 1948, University of Maryland	Va.	Dahn Frain Noble	
Deadwyler, Carl Morris	DC	A.B. 1947. The George Washington	
DeAgro, Richard Parker	D.C.	University	711
Dean, Benjamin Franklin	Ga.	Dehn, Marion Elizabeth	111.
Dean, Beatty	37-	Debad Mararet Lewis	D.C.
Dean, Dorothy Louise	Va. Md.	Dehnel, Margaret Lewis B.S. in Ed. 1939, University of	
	TREG.	Toledo	- 0
B.S. in C.E. 1941, University of		Deibler, David Hobson, Jr.	D.C.
Toledo	200	Delbier, David Housed, Jr.	Ohio
Dean, Frank B.	D.C.	Deiderich, Howard Carl	D.C.
Dean, Gertrude Mary	Va	Deigen, Shirley Norma Deily, Francis Wilson	Va.
Dean, Gunga Loe	Md.	Deily, Francis Wilson	Va.
to - I-b- lovenh	Va.	Deitrick, Thomas Carter	D.C.
A.B. 1941, LL.B. 1948, The George		Deitrick, Thomas Carter De Jong, Betty Neth	erlands D.C.
Washington University		Dejong, Evelin I vonas	D.C.
Dean, Louise Blalteslee	D.C.	DeKeyser, Henry Loo	
A.B. 1919, Wellesley College		A.B. 1937, A.M. 1942, New Jersey State Teachers College, Upper	
Dean, Mary Kendrick	D.C.	State Teachers College, Upper	
Dean, Mary Rendrick	D.C.	Montclair	D.C.
Dean, Thompson A.B. 1915, Harvard University Dean, Willia Calvin		DeKlerk, Thomas	Md.
A.B. 1919, Martine Calvin	Va.	DeKornfeld, Thomas	
Dean, Willis Calvin	N.Y	Baccaluereate 1943, Gymnasium Scholarum Piarum, Budapest	
Develaire Pont Denlamon	Va.	Scholarum Piarum, Budapest	Pa.
DeAngelis, Quinty Carl	Va.		D.C
DeAngelis, Vincent James B.S. 1030. The George Washington University		De La Cova, John Albert B.S. 1937, Villanova College de la Garza, Hector Ruben	
R.S. 1010' The George Ausgrifficon		R.S. 1017. Villanova College	Tex-
University	N.C.	de la Garza, Hector Ruben	N.Y
Liear, Frances Droom	D.C	Delaney, Carroll Day	La
Deardorff, Richard Fiscal	Ohio	Delaney, Henry Leon	Mich.
Deasy, John Paul	D.C	Delaney, John Aloysious	D.C.
DeAugustine, Frank Ralph	D.C.	Delanes Mildred A	D
DeAvies, Emmett George		Delaney, Mildred A	Ohio
DeBarr, John Richard	Pa	A.B. 1926, Trinity College DeLashmutt, Robert Eugene	D.C.
A.B. 1047, Bucknell University	01:	Delasamore, Nobel Casamo	
DeBlasis, Samuel Joseph	Ohio	Delasos, Lewis A.B., 1948, The George Washington	
	R.I. D.C	Hainweitz	p.C.
DeBock, Jean-Baptiste Louis DeBord, Philip Matthew B.S. 1949, University of Santa Clar	D.C	University	10.
DeBord, Philip Matthew	D.C.	DeLeon, Antonio Mari B S.C. 1933, Far Eastern University	
B.S. 1949. University of Santa Clar	à Cu	Marile 1933, Fat Latter 1	Logines
DeBruin, Wesley	Ohio	Manila Phi	D.C.
B.S. in E.E. 1946, Illinois Institute		DeLeon, Dionisio Aquino, Jr.	D.C. D.C. Rico
of Technology	***	Deteon, Utal Grane	Rico
B.S. 1949, University of Santa Clar DeBruin, Wesley B.S. In E.E. 1946, Illinois Institute of Technology Dec. Theodore R.S. in C.E. 1944, M.S. in C.E. 194	Wash.	DeLeon, Dionisio Aquino, Jr. DeLeon, Olaf Grane Delevaux, Maryse Holon Delgado, Angel L. Anthony Jr.	D.C.
	10,	Delgado, Frank Anthony, Jr.	
University of Washington		IXISOO, FIRME MANAGEMENT	

Dia			
DelGrosso, Peter Albert	D.C.	Dery, Rita Eva Alice	R.L.
Delk, Frank S. Dell, Albert Hampson Dell, Grove Action	D.C.	B.S.S. 1043. Bryant College	
Dell. Albert Hampson	Md.	DeSchel, Charles Francis	Md.
	Va.	desilva Sara Thompson	D.C.
	Va.	A B. 1924, Wellevley College A.M. 1927, Radwile College Des.lva, William Darley, Jr.	
	Minn.	AM 1927 Rad He College	
de los Rios, Lolita Del Priore, Francis Rocco A B. 1941 Nam York University	DC.	Des Iva William Datley Ir	Va.
Del Priore, Francia Rosco		Deskin Flaine	D.C.
AB. 1941, New York University	a	Deskin, Elaine AB 1947, The George Washington	D.C.
	Italy	University	
	Atmy	deSouza, Pamela Constance	Va.
deluna, Frederick Adolph		DeSpuis, Famera Constance	
del una Frederick Adalah	Md.	DeSpain, Jane A.B. 1949, University of Iowa	Iowa
Demarce, LeRoy David		A D 1940, Chiversity of lowa	
	13	DeSpain, Maria Putricia	lowa
	D.C.	A.B. 1941. Colorado State College o	4
Dematates Al	D.C.	Education	
Dematates, Alex Dembling, Paul G.	D.C.	Dessez, Lester	D.C.
A.B. toro A.M.	N.J.	Dessez, Sally Chew	D.C.
A.B. 1940, A.M. 1942, Rutgers		A B 1048, The George Washington	
Dembrow, Daniel William		University	-
B.S. Daniel William	Md.	Detamore, Roscoe James	Va.
B.S. 1942. The George Washington		Deters, Martin Paul, Jr.	N.Y.
Dembersity Dembersity		A.B. 1945, Williams College	
Dembeow, Leon William	Md.	Deters, Martin Paul, Jr. A.B. 1945, Williams College Deters, Owen John	D.C.
Demetz, Mary Katherine	Hawaii	B.S.E. 1942, University of Cincinnas Detlie, Martin Oliver	ti
DeMeza, Louis Eugene Demos, Frances Louise DeMott Rances Louise	D.C.	Detlie, Martin Oliver	Va.
DeMots Louise	111.	Detling, Harold Clarence Detmer, Edwin Charles	Md.
DeMott, Benjamin Haile	N.Y.	Detmer, Edwin Charles	Md.
Dempsey, Donald Crammer	N.J.	Detmer, James Edwin Detorie, George William Detrie, Evelyn Louise	Ind.
Dempsey, Jonald Crammer Demshork Jene Leonard	Miss	Detorie, George William	Va.
Demshock, John Joseph Denham, Russell Burnham Denham, Sara Rall	DC.	Detrie, Evelyn Louise	Wis.
Denk. Russell Burnham	Ark	Dettmers, Warren Prentiss	Md.
Denham, Sara Belle Denham, Thomas Boonin Dennemeyer, John Jonin	Ky.	Detta George William	DC.
Den- Thomas Boonin	Pa.	Del'ucua Iose Santiago Phil	ippines
Dennemeyer, John James	D.C.	Del urria, Iose Santiago Phil Deutrich, Bernice Marie Deutsch, Norman B.Ch.F. 1044. College of the City	DC
Denning, John James Denning, John Patrick Dennis, Charles Erwin, Jr. Dennis, David Stanley	Ohio	Deutsch Norman	D.C. N.Y.
Dannis, Charles Erwin Je	DC	B.Ch.F. 1044 College of the Clon	Park.
Dennis, David Stanley A B		of New York	
Dennis, Rayburn Hicks To	111.	M Ch E 1048. New York University	
Dennis Rayburn Hicks, Jr.	DC.	Description Description	DC
Dent. Richard Judson Denton Charles		Devan, Christopher Bartrum	D.C. N.H.
Denton Ch. 1	Va.	Devan, Ioseph Frances Devan, Thomas Arthur A.B. 1248. The George Washington	N 11.
BS 1935. The George Washington	Md.	Devan, Thomas Arthur	D.C.
University Denter El		AB 1748. The George Washington	
		University	
Dentz, Edwin James Dentz, Robert	N.C.	DeVaney, Thomas Michael	D.C.
Denty D. James	DC.	DeVaughn, Robert Wilson	Ga
Dentz, Robert Joseph DePaul, Joseph Affe	D.C. N.Y.	Devay, Robert Brown	Ohio
DePaul, Joseph Alfred Deperini, Without	8. 30	Devening, Donald Clayton	Ind.
Denosia Joseph Alfred	Md.	Deverman, George	III.
Deperini, Wilbur George	MJ.	Devers, Evelyn G	Va.
D'Epiro, Albert Lincoln Depire, Kathleen Louis		A.B 1010. The George Washington	
Depue, Kathleen Louis	Pa.	University	
Depue, Margaret Van Norten	Va.	DeVico, Luigi	N. Y.
Depue, Margaret VanNostrand	0.0	Device, Luigi Devin, Charles, Jr.	N.Y
	Va.	Devin, Charses, Jr.	Md
DeRosa, Edward E	Ohio	Devine, John Patrick	
AB 1947 The	Mass	Devison, Roderick Andrew	W Va
DeRosa, Edward Francis AB 1947. The George Washington DeRosa, Felix Michael AB 1941 Certain		B.S. 1941 West Virginia University	
DeRosa, Felix Michael		Devlin, Harold Michael, Jr	Va.
A B TOAT (Michael	N.Y.	Devlin, John L	Va.
AB 1941. Cornell University Derr. Charles Ivan A.B. 1930. Illinois Weslevan		AB 1912, Catholic University of	
Derr, Charles V. Fordham University		America	
A.B. 1010 THE	Pa.	Devlin, Paul Andrew	Pa.
University Illinois Weslevan	A 104	Dew. Alice Perkins	Va.
Deer Cl. Clasty		A.B. 1937, Mary Washington College	
B.S. in Ch.E. 1931, West Virginia Inversity Derrick Derrick Derrick	W Va.	Dew, Jackson Leonard	DC
University 1931, West Viction	** * 2.		DC.
A.B took		Dewberry, Raymon I Allen	DC
Derrick, Duane Greenwood		Dewberry, Sidney Oliver	D.C.
Derry Will Die Greenwood	2.1.	Dewberry, Willis Fibert DeWeese, William Robert	D.C.
Derry, William Gerald	Crab	DeWeese, William Robert	Ohio
Dertatevasion, Samuel Dervan, Ralph Dervan	Md	Dewey, John Fremont	Va.
Dervan, Ralph Donald	Va.	Dewitt, Charles Kenneth, Jr.	Md.
	D.C.	Dewitt, Charles Kenneth, Jr. Dewitt, Henry Arthur	D.C.

DeWitt, James Corwin	Va.	Dietz, Stanley Martin	N.Y.
B.S. 1943, Mount Union College		Dietz, William Edward A.B. 1947. The George Washington	Md.
DeWitt, Maynard Browning	D.C.	A.B. 1947. The George Washington	
Dewitt, William Bradley	Ala.	University Diffenderier, Anne Lenoir	D.C.
A.B. 1948, Howard College	D.C	Diffie, Wilma George	Md.
DeWolf, Francis Colt, Jr.	D.C. D.C.	A.B. 1940, Louisiana Polytechnic	
B.S. 1928, United States Naval	210.	Institute	
Academy		Diffley, John Edward	Pa.
DeZellar, James Edward	Iowa	DiGiulian, Anna Maria	D.C.
Diament, Lila Ruth	D.C.	Diker, Valihe Dilks, Carl William	N.J.
Diamond, Jack Kenneth	D.C.	Dillard, Terry Boyd	Tex.
Diamond, Stanley Eliahue	N.Y.	Dilley, Donald LeRoy	Colo
Diamond, William Thomas, Jr.	Tenn,	Dilley Luther	Wash.
A.B. 1942, Union University		Dilli, Barbara Lindsey	D.C.
LL.B. 1948, University of Virginia Dias Carneiro, Octavio Augusto	Brazil	Dilli, Nancy Tucker Dilliplane, Earl Kenneth	D.C.
B.S. 1933, Brazilian Naval Academy Diavatis, Nicholas Demos	у	Dilliplane, Earl Kenneth	Calif.
Diavatis, Nicholas Demos	D.C.	Dillon, Donald Jesse Dillon, Edward Scott	DC.
Diaz, Adollo Solorzano	D.L.	B.S. 1932. University of Illinois	42
Diaz, Godoy Nario	D.C.	Dillon, Enoch Laroy	Oreg.
	nduras	B.S. 1948. Pacific University	
A.B. 1941. Maria Auxiliadorn		Dillon, Ioe Clyde	Va.
Institute, Honduras Dibble, David Eugene	D.C.	Dillon, Kobert Warren	Md.
D: Benedetto, Anthony Domenico	N.Y.	Dillon, Thomas Power B.S. in B.A. 1030, University of	Mid.
B.S. 1943, Villanova College		Pittsburgh	
Dibner, Richard E.	N.Y.	Dillon, Zietta Shriver	D.C.
B.M.E. 1941. College of the City		A.B. 1946, The George Washington	
of New York	Va.	University .	2.6.1
Dibrell, Sterling Tucker B.S. 1921, United States Naval	Val.	Dilly, Robert Gibson	Md. R.I.
Academy		DiMaio, Marie Ann	Mass.
Dichter, Jack C.	N.J.	DiMartino, Horace Robert Dimmette, Claude Chester, Jr.	DC.
DiCicco, Orlando Earl	Pa.	DiMona, Joseph Michael	N.J.
Dick Acthur Freeman	Va.	A.B. 1947, Duke University	
Dicke, Allen August, Jr. B.S. 1947, Lehigh University Dickerson, Mary Lou	Va.	Dingess, Harvey David	D.C.
B.S. 1947, Lehigh University	N.C.	A.B. 1947, Marshall College	11 v
Dickerson, Mary Lou	Ind.	Dingler, Richard William	III.
Dickey, Maxine Dickey, Pauline E.	Wash.	Dinguess, LeRayne	DC.
Dickinson, Anne Defrees	DC.	Dinkins, Edward McQueen	Minn.
A.B. 1048. Smith College		Dineen, Margaret Catherine Dinsmore, Ruth Ann	Mass.
Dickinson, Helen Douglas	Va.	B.S. 1940, State Teachers College,	
Dickinson, Helen Douglas Dickinson, Nancye Ruth A.B. in Ed. 1945, Mary Washington	Va.	Worcester, Mass.	- C
A.B. in Ed. 1945, Mary Washington	n	Dion, Marie Berthe	DY. DY. DY.
Dickison, Thomas Stuart Dickman, Alfred Dickson, Evelyn Emerick Dickson, James Meek Dickson, Lois Pengelly A.B. 1947, The George Washington	Va.	Dionio, David	D.C.
Dickison, Thomas Stuart	N.Y.	D'Ippolito, Mario	1.1.
Dickson Evelyn Emerick	Va.	Dirks, Barbara	****
Dickson, James Meek	Md.	A.B. 1917. Smith College A.M. 1941, Columbia University	
Dickson, Lois Pengelly	DC.	Dirtadian, Helen	N. A.
A.B. 1947, The George Washington		Disler, Oscar Charles	Pa
		A.B. 1945. The George Washington	
Dickson, Robert Carl, Jr. Dickson, William Francis Didier, Carmen Marcelle	D.C.	University	DC
Didies Cormon Marcella	Kans.	Disney, Gloria Elizabeth	Mid
Didlake Betty Gore		Disque, Allen William	N.Y.
Didlake, Betty Gore Diedel, C. Virginia LL.B. 1021. The George Washington University	D.C.	Diston, Frank Farr Ditchek, Florence	N.Y.
LL.B. 1923. The George Washington	1	A.B. 1048. Cornell University	~ ~
University	DC	Dittmann, Stephen Peter	DC Pa.
Dieguez, Ledda Diehl, Forrest Howard	11.1.	Ditular Marshall Franci	E al.
Dieni, Forrest Howard	Ohio N. V	B.S. 1016. Lebanon Valley College	Md
Diemer, Fred Joseph Diemer, Robert Arthur	NY. DC	Divers Mary Janue	
Diardon Crockett Jeffrey R	D.C.	A.B. 1947, Western Maryland Colle Divine, William Beach	Va.
Dierks, John Henry Dieter, Rose Ward	DC.	Divine, William Beach	DC.
Dieter, Rose Ward	Va.	Dix, Edgar LaRue Dix, Francis	Md.
Dietrica, Diane Langre	Va		Md.
Dietrich, E. Donald	Md.	Dixon, Cloyce Irven, Jr. Dixon, Edgar Allen, Jr.	Ky.
Dietrich, Jack Mitchell Dietz, Albert Edward	D.C.	Dixon, George Carlton	D.C.
Dietz, Glenn Allen	Fla.	Dixon, Jane Manherz	17.6.
Paterial Agents against			

Dizon, John Wainwright	Tex.	Donaldson, John Charles Donaldson, John Eldridge, Jr. Donelson, Kenneth William	D.C.
Dixon, Kenneth Pile	Va.	Donaldson, John Eldridge, Jr.	D.C.
A.B. 1945. The George Washington		Donelson, Kenneth William	
University		Doneson, Ach Carlton Donnel, Nettie Ellen B.S. 1942, University of Illinois Donnelly, Albert Lee, Jr. A.B. 1948, Yale University Donnelly, Bruce Norman Donnelly, Henry Joseph B.S. 1928, University of Pennsylvani Donnelly Owen James	Md.
Dixon, Robert Galloway	N.Y.	Donnel, Nettie Ellen	D.C.
A.B. 1943, Ph.D. 1947, Syracuse		B.S. 1941, University of Illinois	
University		Donnelly, Albert Lee, Jr.	Conn.
Dixon, Rod Paul	Utah	A.B. 1948, Yale University	
A.B. 1947, University of Utah Dixon, Thomas Wilson		Donnelly, Bruce Norman	D.C.
Dixon, Thomas Wilson	Md.	Donnelly, Henry Joseph	Va.
Dixon, Thomas Wilson Dixon, William Joseph Dixon, William Martin Doane, John Emil	D.C.	B.S. 1928, University of Pennsylvania	ă.
Dixon, William Martin	Md.	Donnelly, Owen James Donnelly, Richard Charles	
Doane, John Emil	Md.	Donnelly, Richard Charles	D.C.
Dobbis, Barbara	Md.	Donnelly, William Francis Donnelly, William James Donnett, William Edward	D.C.
Dobin, Joel Charles	N.J.	Donnelly, William James	Md
. A.D. 1048. Princeton University		Donnett, William Edward	Calif.
Dobkin, Abraham	N.Y.	D'Onoirio, Bess Joan	N.Y.
A.B. 1948. The George Washington		Donochue, Edward Ignatius	124
1 Bayeraity		Donoghue, James Francis	Md.
Dobres, Jeanne Louise	Md.	Donoghue, James Francis Donohue, Harold	Md. N.Y.
Dourowolski, Helen Little	Va.	Donohue, Katherine Virginia	N.Y.
A.B. 1941, Woman's College of the		Donohue, Katherine Virginia	Mid.
		Donovan, Catherine Angela	D.C.
Dodd, Harold Gregory	Va.	Donovan, Catherine Angela B.S. 1947. State Teachers College,	
Dodd, Harold Gregory Dodd, Randolph Lee Dodds, Rosemers	Va.	California, Pa. Donovan, James Alport, Jr. A.B. 1937, Yale University	
Dodds, Rosemary	D.C.	Donovan, James Alport, Jr.	Va.
Dodek, Trenice Ann	D.C.	A.B. 1937, Yale University	
A.B 1948, University of Michigan		Donovan, Richard Ferry	D.C.
Dodds, Rosemary Dodek, Trenice Ann AB 1948, University of Michigan Dodge, Austin Phelps	Md.	Donovan, Richard Ferry Donovan, Rita Marie	D.C.
B.S. 1944. Massachusetts Institute of	of		
B.S. 1944. Massachusetts Institute of Technology Dodge, John Parker		California, Pa.	
Dodge, John Parker	Md.	DonVito, Pasqual Anthony	Pa
A. B. 1940, Johns Hopkins Universit	y	Dooley, Joseph William	P. 3.
Dodge, John Parker A.B. 1040. Johns Hopkins Universit Dodge, Sally Marden Dodge, William Bannard	Ohio	California, Pa. Don Vito, Pasqual Anthony Douley, Ioseph William Douley, Rose Marie Douley, Rose Marie Douley, Rose Marie	Canada
Dodge, William Bannard	Va.	Doolittle, Howard Chester	D.C III.
Doctor Claims	D.C.	Doom. James Burdette	III.
O. D. 1048 The Course Washington		Dooner, Figene Carolan, Jr.	Fla.
		Doome, Farene Carolan, Jr. Doome, Henry	D.C.
Dodson, Dors Arlene Dodson, Elba Aileen Dodson Joseph Liverd	W.Va.	Dopkin, Sulvia Doran, Leonard Granville	N.Y.
Dodson, Elba Aileen	Va.	Doran, Leonard Granville	Va.
	D.C.	Doran, Leonard Granville A B 1942, Harvard University Doran, Roger LeRoy Doran, Stephen Mark	
		Doran, Roger LeRoy	DC.
		Doran, Stephen Mark	Mich.
M.S. 1940, Massachusetts Institute		Dorfman Hilliard	Pa
D. of Technology		Dorie, William Matthew	N.Y.
	Mass.	Dorka, Hubert Fred	Pa
		Dorman, Arthur	D.C N.Y. N.J.
Doermann, Anne Coustance	DC.	Dorosh, Edward	8. 1.
Doernenburg, Helen Johanna Hulda	III.	Doroson, Selma	NI
Dolan, Robert Eugene	N 1.	Dorr, Bernard Francis	DC.
Doing, Charles Halleck	D.C.	Don't being francis	D.C.
Bolecki, Joseph Francis BS. 1946. University of Alabama Dolineck, Stephen Arthur Dollard, James A.B. 1939. College of the City of	N I. D.C. D.C.	Dorr, Bradford Ripley A.B. 1002, Williams College	D.C.
Doling 1946. University of Alahama		Dan Legita	D.C.
Della-Stephen Arthur	N.Y.	Dorr, Lorita	D.C.
A p. James	Md.	Dorr, Lucile Bortram	Tex.
1939. College of the City of		Dorre, Lawrence	Jez.
A.B. 1939. College of the City of New York Dolnick Ethel Helen Doman, Francia		A.B. 1948, North Texas State College	D.C.
Doman Ethel Helen	D.C.	Dorrell, Russell Ellsworth	D.C.
Doman, Francis	D.C.	B.S.E., 1934, Carnegie Institute of	
		B.S.E. 1934, Carnegie Institute of Technology Dorris, Morris Bernard	DC
Donack Budapest		Dorris, Morris Bernard	D.C.
A B Lugene John	D.C.	Dorsay, Jeanette	D.C.
Donaghue, Eugene Iohn A.B. in Ed 1040. Duquesne University Justin James	iity	Dorsey, Jeanette Dorsey, Benjamin Henry	D.C.
	D.C.	BS 1045. University of Pennsylvan LL B. 1048. The George Washington	13
Donald Manuel Lester	DC.	I.L.B. 1948, The George Washington	D.
	D.C.	University	
Donald, Samuel Everett	D.C.	Dorsey, Edward Gerard	Mo.
Donalds Lynchburg College		Dorsey, Guy Houston	D.C.
Donaldson, Allyn Capron, Jr.	D.C.	Dort, Evelyn Andersen	Fla.
A R A R	D.C.	Dort Wallace Emerson	Fla.
A.B. 1931, Lynchburg College Donaldson, Allyn Capton, Jr. Donaldson, Frances Flascke A.B. 1925, The George Washington University		Dose, Robert George	Calif.
University Donaldson, Joan Marie		Dose, Robert George B.S. in M.E. 1936, Washington University	
Joan Marie	D.C.	University	

Dosik, Stanley	D.C.	Downey, John Joseph Downey, Maureen E.	Mass. D.C.
Dosik, Stanley B.S. 1939, Wilson Teachers College	Nev.	Downey, Maureen E.	Mass.
Dotson, Daniel Keating	Nebr.	Downing, Matthew Patrick	Pa
Dotson, Edwin John Dotson, Maryanna Elizabeth	D.C.	Downing, Merritt Downs, Harold Alfred	Va.
A.B. 1948. The George Washington		Downs, Justin Gaylord	Va.
Iniversity	_	Downs, Justin Gaylord Downs, Nolland McKenzie	Va. Va.
Dotson, William Dean LL.B. 1940, Catholic University of	Tenn.	Downs, Khoda Jane	Okla
LL.B. 1940, Catholic University of		Downs, Robert Jack Doyle, Ann Catherine	Colo.
America	Calif.	Dovle Donald Earl	D.C.
Docy, Dale Edward A.B. 1936, Pomona College A.M. 1936, University of Cincinnat		Doyle, Donald Earl Doyle, Francis Xavier Doyle, John Benedict, Jr.	D.C.
A.M. 1938, University of Cincinnat	i	Doyle, John Benedict, Jr.	Calif.
Doub, Dorothy Loucille	N.C.	A.B. 1948, University of California at Los Angeles	
Doub, Dorothy Loueille A.B. 1941, Brenau College Doucarellia, Alexandria	N.Y.	Doule Mahlon Fueene	N.Y.
Doucarellis, Alexandria	24121	Doyle, Mahlon Eugene Doyle, T. Roy Doyle, Vincent Joseph Drag, Teddy Frank	Pa-
A.B. 1943, Hunter College Doud, Robert DeVerie	Va.	Doyle, Vincent Joseph	D.C.
Dougan, William Page	Tenn.	Drag, Teddy Frank	Mich.
B.S. 1939, University of Tennessee Dougherty, Eleanor Elizabeth Dougherty, Frank Robert	T	Diagoo, Koland Paul	D.C.
Dougherty, Eleanor Elizabeth	Tenn.	B.S. 1941, University of Idaho Drain, Richard Dale	D.C.
Dougherty, Frank Robert	D.C.	A.B. 1943, LL.B. 1948, Yale Uni-	
W.D. 1440! see over		versity	-0
University Dougherty, Harold Joseph Dougherty, Joseph Patrick Dougherty, Louis Leighton Dougherty, Thomas James Doughety, James Irving Douglas, Doris Stringfield Douglas, Eleanor Preston	N.Y.	Drake, Nadine Grace	D.C. Pa.
Dougherty, Joseph Patrick	Va.	Drake, Stanley Richard	D.C.
Dougherty, Louis Leighton	Pa. N.D.	Draper, Elizabeth Kohl A.B. 1924, A.M. 1933, The George	20.0
Dougherty, Thomas James	D.C.	Washington University	- 0
Doughty, James Irving	Va.	Draper, William Alfred	D.C.
Douglas, Eleanor Preston	Fla.	D.S. 1935, Wilson Jenchers Coulege	D.C.
RS 1942 University of Alabama		Drapkin, Leon Isadore	III.
Douglas, James Andrew Douglas, James Homer Douglas, Jean Placida State College (or	D.C.	Dratwick, Christine H.	D.C.
Douglas, James Homer	D.C. Fla.	Drayer, Clarence Prowell Dredge, Talbot William	Idaho
A.B. 1948, Florida State College for	E 841	Dreisonstok, Erwin Milton	3.6.4
Women		Dreka, Mary Catherine	D.C.
Donelass, Arthur Allen, Ir.	Va.	Dresher, Lillian Ruth	Pa.
Douglass, John Frederick Douglass, John Robert	D.C.	Dress, George Kingsbury	D.C.
Douglass, John Robert	Va.	Dressel, Robert James	Pa.
	D.C.	Dressler, Dorothy Anne Drew, Henry Roote Jackson	N.J.
LL.B. 1948, Harvard University Douma, Allene Vartia	D.C.	Drew, Norma Jean	Mont. N.Y.
Doutrich Jewel PJIERDER	D.C.	Dries, Edward Thomas	N.Y.
B.S. 1940, Oklahoma College for		Drimmer, Miriam Weinberg	N.Y.
A CONTRACT	DC	Drimmer, Saul E.	801-
Dove, Claude Warren	D.C. N.J.	B.S. 1940, The George Washington University	
Dovel, Alison Bart	Mich.	Driscoll, Elizabeth Christine	Maine
Dover, Edward A. R.S. 1040 Michigan State Normal	20000000	A.B. 1942. Trinity College	Cook.
B.S. 1940, Michigan State Normal College		Driscoll, Joan Driscoll, John Joseph Driscoll, Joseph Patrick	D.C.
	D.C.	Driscoll, John Joseph	Mass.
Dow, Heien Mae Dow, Heward Fremont Dow, Mary Dow, Tsung I. A.B. 1040, National Central University Dowdell, Jack Richard Dowdy, Sam Gene A.B. 1046, The George Washington	Calif. Va.	Driscoll, Joseph Patrick	
Dow, Mary	China	A.B. 1941, LL.B. 1943, Harvard Uni	- 0
AR 1040 National Central Universi	ty	Driscoll, Michael Joseph	D.C.
Dowdell, lack Richard	Iowa	Driscoll, Robert Edward	Pa. Va.
Dowdy, Sam Gene	Md.	Driver William Ioseph	4 00-
A.B. 1946, The George Washington		B.B.A. 1941, Niagara University	N.J.
University Thereil Ambus Edward	D.C.	Drogan, Stanley John	N.Y.
B.S. 1941. Princeton University	20101	Droll, Henry Andrew	D.C.
Dowell, Earl Simeon	D.C.	Droney, Paul Vincent	Mich.
University Dowell, Arthur Edward B.S. 1943, Princeton University Dowell, Earl Simeon B.S. 1947, University of Illinois	D.G.	Droulard, Kenneth Earl Druckenmiller, Donald James	D.C.
Dowling, Dorothy Shreve	D.C.	Drumm Anna Mary	D.C.
Dowling, Nellie Frances B.S. 1931, Columbia University	Md.	B.S. 1046, State Teachers College, Mansheld, Pa.	
Dowling, Russell John	Va.	Mansheld, Pa.	Va.
Dowling, Walter James	Va.	Drummond, Frank Brown Drummond, Thomas Darrell	D.C.
Dowling, Russell John Dowling, Walter James Downes, John Pershing	N.Y.	Drummond, Thomas Darrell	Ohio
Downey, Alma G. Downey, Dorothy Adelaide	Nebr.		
Downey, Dorothy Adelaide Downey, Jack Ramey	D.C. W.Va.	A.B. 1917. Iowa Wesleyan College A.M. 1928. Columbia University	
Louisey, Jack Readery	· · · · · ·	A.M. 1900, Continue	

Drysdale, Robert Morrison, Jr. A.B. 1936, Harvard University Dubber, A.F.	Mich	Duncan, Donald George	D.C.
Dubber, A. E.	00	Duncan, Evelyn Gibson A.B. in Ed. 1936, University of	Va.
Dubester, Dorothy Funis	D.C.	Centrals	
A.B. 1941, Brooklyn College	D.C.	Duncan, James Thomas Duncan, John David Duncan, John Kenneth A.B. 1947, The George Washington	Ga.
Dubiel, Joseph Michael B.S. 1938. University of New Hampshire	Va	Duncan, John David	W.Va.
B.S. 1938, University of New		Duncan, John Kenneth	Va.
Hampshire Dubitshire	-	A.B. 1947. The George Washington	
Dubitsky, Rose DuBois, Helen Phyllis DuBois Iack Edui	Pa.	University	Va.
DuBois, Jack Edwin Debno, Edith DuBroff Same	D.C.	Duncan, John Ogilvy Duncan, William Edward	Va.
Debno, Edith	Va	Duncombe, Avis Bailey A.B. 1040, University of New	D.C.
	N.Y.	A.B. 1040, University of New	
The local The Course West nature		Hampshire A.M. 1941, University of Iowa Dunfee, Bernadine Langdon B.S. 1939, Wilmington College	
Ducey, Anne Lowery	20.10	A.M. 1941, University of Iowa	Ohio
	N.Y.	R S 1010 Wilmington College	Onto
Vincent Saint			Del.
A.M. 1948. New York University Ducey, David Francis Duchaine, Joseph Alford Victor		A.B. 1941, Georgetown University Dunlap, Ruth Elaine	5.0
Duchaine Vid Francis	Va.	Dunlap, Ruth Elaine	D.C.
Duck Indiversity vitted Aterds	Mass.		·Md.
Duckett Distant D	Va Va.	A.B. 1934, St. John's College A.M. 1936. The George Washington	
Duckworth, Alan Clark	Va.	L'aiversits	
Duckworth, Pauline	N.Y.	University Dunn, Agnes Laura	D.C. N.Y.
A.B. 1919. Syracuse University Dudley, Albert Frederick Dudley, George Hayden Dudley, Robert Earl Duerksen, Sylvia			N.Y.
Dudley Greenick	D.C.	Dunn, Bertha Wakefield A.B. 1940, Howard College	Va.
Dudley, Robert Faul	20.	A.B. 1940, Howard College	D.C.
Duerksen, Sylvia	Va. D.C	Dunn, Constance June	D.C.
Dulek, George John	Md.	Dunn, Frances Esther	Calif.
Dufek, George John B.S., 1925, United States Naval		Dunn, George Martin	Conn.
Duff, Academy Duff, Academy A.B. Ired James		Dunn, Howard	N.Y.
A.B. 1047 Personal Communication	Pa.	Dunn, George Martin Dunn, Howard A.B. 1036, College of the City of	
A.B. 1947. Pennsylvania State Coll A.B. 1948. The George Washington Duff, Davides The George Washington	ege T	New York A.M. 1940, Columbia University Dunn, Joseph James Dunn, Theodore Franklin	
A B. 1948, The George Washington	Tenn.	Dunn Joseph James	Va.
University George Washington		Dunn. Theodore Franklin	N.Y.
Duffy Eugene Michael	Md	Dunn, Theodore Franklin A.B. 1048, The George Washington	
Dugan, Michael Hugh Dugard, Robert Evers	D.C	LINIMPTRIEV	Md.
Lyurard D	W.Va.	Dunning, Worth Louis	Md.
	N.J.	Dunnington, Elgin Adams, Jr.	R.I.
Dunnan, Edward Vincent	Va.	Dunphy, Robert Giles Duplinsky, Edward Nicholas	Conn.
DuCos John Joseph	N.Y.	Dupont, Christophe Fernand	Wash.
Duggan, Edward Vincent Duggan, John Joseph DuGoff, Albert Morris Duke, Jesse C. Duke, Norman Edward A.B. 1934. LL.B. 1935, University Of Notre Dame Dulany, Jean Brownall	D.C.	Dupont, Christophe Fernand Dupre, Forrest Francis	R.I.
Duke, Norman Kal	Va	Durbin, Sol	Va.
A.B. 1014 II B	Va.	BS 1940. Oregon State College	NV
Notre Dame		Durcos, Michel	N.Y. D.C.
Duke, Thomas Maurice	D.C	Durg n. Franklin Willoughby Durham, Mary Sherrill	Ky.
Dulaney, Jean Brownell	Va.	Direchusch Frederickersce	Ky. DC.
A.B. 1936, Wellesley College Dulaski, Benedict Joseph Dulkie, Jerome Joseph Dukie, Joseph Augustine		AB 1711. The George Washington	
Dulcie, Jeroma Jaseph	Mass.	University	3.6
Dulkie, Joseph Augustine Dum, Frank Bryan Dumaine, Gabriel Romain	N.J	D'Urso, Alfred Mario	Mass. Ohio
	Mass	Durtibe Carl. Ir	DC
Dumaine, Gabriel Romain A.B. 1948. The Constitution	D.C.	D rvee, Joseph Bowden	NH.
A.B. 1948. The George Washington	D.C.	Dustin Virgie Lorrain	D.C.
Dumas, Niversity Dumas, Niversity Dumm, Demetrius Gallitzin, Jr. A.B. Traffine Hall		Duthie, Charles Lockwood	Va.
Dumm, Demetrine Calling	Md	DuVal, Francis Curtis	Va.
Dumville, Samuel Hall	Va.	DuVall, Frederick Wood	D.C. Va.
A.B. 1936, Randolph-Macon College Dunawent, Roy Joseph	D.C.	Dussealt, Henry Ame Dustin, Virgie Lorrain Duthie, Charles Lockwood DuVal, Francis Curtis DuVall, Frederick Wood Duvall, Mabel Belle A.B. 1044, The George Washington	Va.
Dunavent, Roy Joseph Dunaway, Edward George Dunaway, Hazel Widifred	D.C.	University	
Dunaway Hourd George	Mo	Dyorak Gladys Eleanor	Wash.
Dunaway, Edward George Dunaway, Hazel Widired Dunbar, Anne Camerona Dunbar, Anne Camerona	Mo	Dvorak, Gladys Eleanor Dwass, Mever	D.C
under A. Strangern	Iowa	Dworshak, Calvin George	Idaho
A.B. Lo manufer (III)	Conn.	Dworshak, Calvin George Dworsky, Dena Leigh	Minn
		Dwyer, Helen Marguerite	Mass.
Denbar, 1944. Colorado Collega		Dwyer, Jean Ferguson .	D.C.
A.M. 1944. Colorado College Denbar, John Paul	D.C.	A.B. 1948, The George Washington University	
	0.0	C mirer only	

			-
Dwyer, John Joseph	Mass.	Eaton, Jesse Hearne Eaton, Stanley Warren Eberstarviova, Alice	Pa Va D.C
Dwyer, John Joseph Dwyer, Louis Eugene	Va.	Eaton, Stanley Warren	Va
B.S. 1048, American University		Eberstarviova, Alice	Va.
Dwyer, Maude Rundle	D.C.	Ebert, Charles Randolph Ebert, Henrietta Wirt Eby, Susannah A.B. 1945, Goucher College M.S. 1947, University of Wisconsin Eccleston, Harold Norris, Jr. Echeverri, Anihal	Va
Dwyer, Vincent William Dwyer, Viola Anne	N.Y. N.Y. D.C.	Ebert, Menrietta Wilt	Ohio
Dwyer, Viola Anne	D.C.	A R soar Coucher College	Con-
Dyberik, Kenneth Harlan	S.D.	M.S. 1943, Coursely of Wisconsin	
Dybing, Hannah Marie	S.D.	Eccleston, Harold Norris, Ir.	Md.
Dybing, Myrtle Denise Dyck, William Donald Dyer, James Arthur	Kans.	Echeverri, Anibal C	olombia
Dwee James Arthur	Va.	Echola, Irene Myrtle Eckard, Joseph Daniel Eckerle, Richard Lawrence Eckerle, Virgil Howard Eckhoff, Mark Gus	N.C. D.C. D.C.
Dyer, Jean Coleman	D.C.	Eckard, Joseph Daniel	N.C.
Dyer, Jean Coleman Dyer, Walter Melvin	D.C.	Eckerle, Richard Lawrence	D.C
Dysart, Thomas Gilmore	Mo.	Eckert, Virgil Howard	D.C.
Dysart, Thomas Gilmore B.S. in M.E. 1943, University of		Eckhoff, Mark Gus	D.C.
Missouri	D.0	B.S. 1948, Georgetown University Eclchoff, Harry Charles B.S. 1924, Central Missouri State	D.C.
Dysland, Robert Carroll	D.C.	Ecichon, Harry Charles	210
		College	
E	41	Economon, Foteny	D.C.
Eadie, James Wharton	Va.	Economopoulos, Helen Mary	D.C. D.C. Va.
Eagan, Frances Ellen	D.C.	Edding Thomas Ottawa	Va.
Eagan, Thomas Leggett Eaker, Herbert Lowell	Md.	Eddins, Thomas Ottawa Eddins, William Reynolds	Miss. N.Y. D.C.
Eaker, Herbert Lowell	D.C.	bidelman Leonard	N.Y.
Eakin, Birch Hitt	Va.	Edeleschein, Theodore Edward Eden, Sara Baker	D.L.
Eakin, Edward McCoy Eanet, Morton Philip	D.C.	Eden, Sara Baker	Md.
AR 1042 Vale University		A.B. 1043, Oklahoma University Eden, William Earl	n.C.
A.B. 1947. Yale University Eareckson, Ruth Brown	Va.	Eden, William Earl	D.C.
B.S. 1933. Wilson Teachers College		Edenbaum, Robert Lawrence	140.
Earich, Douglas Ray	Pa.	Edens, Maurice Duane	300
Earl, Ira Roy	Nev.	A.B. 1948, The George Washington	
B.S. 1948, Brigham Young University		University	N.Y. Va. D.C.
Earle, Elizabeth Rebecca	D.C.	Eder, Daniel David Edgar, Jean Nelson	Va-
Earle, Harold Fred	Md.	Edge, Ruth Marianne	D.C.
Earle, John Howard	D.C.	Edington, Wallace Dickinson, Jr.	Md.
B.S. 1943, Pennsylvania State College Earle, William Kehr	D.C.	Edler, Karl Fredrick	D.C.
Earle, William Kenr	27.0.	Edminster, Noan Israel, Jr.	Maine
B.S. 1940, United States Coast Guard		A.B. 1941, Bates College	D.C.
Academy Early, Annie Lola	Ala.	Edmonds, Donald Charles	D.C.
A.B. 1948, The George Washington		B.S. 1936, Purdue University Edmondson, Francis Livingston	Fla-
University		Edmondson, Francis Livingston	8
Farly Edmund Avres	D.C. N.C.	Ph.B. 1924, Emory College Edmondson, Mary Beatrice	Miss.
Early, Julius Cherry, Jr. M.D. 1930, Medical College of	N.C.	Edmondson, Mary Beatrice	Va.
M.D. 1930, Medical College of		Edmunds, James Bradt, Jr.	
Virginia	2.1	A.B. 1941, The George Washington	
Early, Robert Elliott	Va.	University	Va.
Early, William Eugene	D.C.	Edsall, Hanford Meeker A.B. 1938, Washington University	07.
Earman, John William Earnest, Elmer Dean	D.C.	A.B. 1938, Washington Chivern	Va.
	D.C.	Edeon, Franklin Wills	D.C.
Earnest, John Allen	Ala.	Educati, Elizabeth	III.
B.S. 1943, Alabama Polytechnic		Edwall, Warren Emerson	D.C.
Institute	N.C.	Edwards, Arthur Ralph Edwards, Benjamin David	Ohio
Earnheart, Frank Jones	24.6.	A.B. 1041, Wittenberg College	Calif.
A.B. 1947, University of North Carolin	D.C.	Edwards, Eldon Leo	D.C.
Earp, Mary Jones A.B. 1939, University of Richmond	D.C.	Edwards, Elizabeth	Va.
Faster Sidney Dries	Tex.	Edwards, Carth William	4 000
Easley, Sidney Price B.S. 1940, Stephen F. Austin State	Acr.	Edwards, Garth William B.S. 1939, University of Illinois	S.C.
		Edwards, John Allen	
East. Viceinia Dace	Va.	Edwards, John Allen B.S. 1927, United States Naval Acad Edwards, Marion Palism	Kans
East, Walter J.	Ind.	Edwards, Marion William	Pa
East, Virginia Dare East, Walter J. B.S. 1935, United States Naval Acades East, William Francis	ny	Edwards, Wattha I area	
East, William Francis	Va.	B.S. 1943, Hood College	Md.
A.B. 1939, Western Maryland College		Edwards, Rosaline Pordhi	(5)
Easter, Olivia Sara	Wash.	B.S. in Ed. 1934, A.M. 1935, Pull	
Eastman, Adrian Fenley	D.C.	OBIVERSITY	China
Eastman, Samuel Thomas	D.C.	Edwards, Rostand Hurbit	Miss.
Eastman, William Henry	Mass.		
B.S. in C.E. 1937, University of New	1	A.B. 1941. The George Washington	D.C.
Hampshire Fasten James Edward	DC	University	D.o.
Eastop, James Edward	D.C.	Edwin, Gabriel	

F .			
Egan, Anna Virginia	N.J.	Elf. Martin Arthur	D.C. D.C. D.C.
O.D. 1048 The Conses West-		Eliman, Walter	D.C.
		Eliades, Elias George	D.C.
Egan, Charles Alfred Egan, Donald John	D.C.	Elias, Jack Isidor	
Lean, Donald John	Va.	B.B.A. 1941, College of the City of New York	
Francis 1942, Dartmouth University		New York	
A.B. 1942, Dartmouth University Egger, Roscoe Lynn B.S. 1942, Indiana Hainessier	Md.	Eliason, Raymond Orlando	D.C.
B.S. 1943, Indiana University Escert, Irving John Escleston, Paul Cornwell Escleston, Edward		Elkin, Anne	_111.
Paralle and an a street library	D.C.	Elkin, Benjamin	D.C.
Egleston, Paul Cornwell Eglof, Edward Egly, Paul Wesley A.B. 1946, University of California Ehlen, George Frederick, Jr. Ehlshlager, Adam Challe	D.C.	Elkin, Evelyn	ni.
Fair Edward	D.C.	El-Kinany, Mohamed Gamal Eddin	D.C.
A Braul Wesley	Calif.	Ellenberger, Agnes Elizabeth Ellenburg, James Russell Flienwood, Robert C.	D.C.
1946, University of California		Ellenburg, James Russell	Ky.
Ehlen Cos Angeles		Ellenwood, Robert C.	Va.
Ehlen, George Frederick, Jr. Ehlahlager, Adam Charles	Oreg.	B.S. 1942, Ohio State University	
Ehlahlager, Adam Charles	D.C.	B.S. 1943. Ohio State University Ellett, Charles Crittenden A.B. 1948. The George Washington	Va.
		A.B. 1048, The George Washington	
Ehrenkrana Ve		University	-
Ehrenkrantz, Manoy Ehrhard, Joseph Julius Ehrlich, Bernard	N.Y.	Elliot, Donald Merwin	III.
Ehrlich Boseph Julius	D.C.		Pa.
A B	D.C.	Elliott, Evelyn Helen Elliott, Frank Careon	
The And Cacalle Mauritation		Elliott, Frank Carson	Pa.
English Ct.			Md.
Ehelich, Simon Eugene A.B. 1949. Johns Hopkins Universit Ehrmantraut, Wilfred Russell B.S. 1948, University of Maryland Eichenlaub, Frank Joseph, Jr.	Md.	Elliott, Lois Elliott, Ralph Earle, Jr. Elliott, Robert A. Elliott, Robert Stanley Elliott, Stephan Lyons Elliott, William Homer, Jr. A. R. 1040 Wellevan University	Va.
Ehrmantsons Johns Hopkins Universit	у	Elliott, Ralph Earle, Jr.	III.
B.S. 1648 tillred Russell	Md.	Elliott, Robert A.	D.C.
Eichenlauh Family of Maryland		Elliott, Robert Stanley	III.
Eicher, Grank Joseph, Jr.	Fla.	Elliott, Stephan Lyons	D.C. N.J.
Eicher, William Russell		Elliott, William Homer, Jr.	N.J.
Eichlin, Edward Ch	Pa.	A.B. 1940, Wesleyan University	
Eicke, Woodward Charles	Md.	Ellis, Calvin Warren	Ark.
Filbert, Richard Lat.	D.C	A.B. 1040, Wesleyan University Ellis, Calvin Warren Ellis, Carl Edison Ellis, Henry Herbert	Md.
Eilenberg David Lyle	D.C N.J. Calif.	Ellis. Henry Herbert	Ohio
Eiler, Erness Fact F.	N.J.	Ellis, James G., Jr.	N.Y.
Eilers, James David	Calif.	Ellia, John Reavis	Ga.
Finer Muses Faul	Md.	Ellis, John Taylor	D.C.
Eicher, William Russell Eichlin, Edward Charles Eicke, Woodward, Jr. Filbert, Richard Lyle Eilenberg, David Eiler, Ernest Earl, Jr. Eilers, James Paul Eimer, Massaret Hermann Eimer, Walson Donald Einbinder, John Collum	D.C.	Ellis. Henry Herbert Ellis. James G., Jr. Filia. John Reavis Ellis, John Taylor Ellis, Marian Bissell Ellis, Roberta Anne Ellis, Ruth Joy Ellis, S. Andrews Ellis, Vordie M.	N.Y.
Einbinder, John Collum	100	Ellis, Roberta Anne	Md.
Einfrank, Samuel	Va.	Ellis, Ruth Joy	D.C.
Cinheber Albani	W 18.	Ellis, S. Andrews	D.C.
	Pa.	Ellis, Vordie M.	N.C.
A.B. 1948. The George Washington		Ellison, Berny Carl	Iowa
E lan n		Ellison, Charles Dewey, Jr.	Tenn.
Eisenberg, Bernard Carl Eisenberg, Evelyn	N.Y. N.Y.	Ellowitz, George	Md.
A H	N.Y.	Ellsworth, Robert LeRoy	D.C.
Eitenberg, Murray Lawrence B.S. 1949, College of the City of		Elman, Audrey Lee	D.C.
B.S. 1940 Call Lawrence	N.Y.	Elman, Josef Katten	N.Y.
		El Madiadida Mahammad Chonah	Egypt
B.S. 1940, College of the City of Einenburger, Dorothy Evelyn Einer, Edith Chelimor		El-Modjadidy, Mohammed Shoueh A.B. 1046, Fand University, Cairo,	-6704
Eisner, Edith Chaling Evelyn	Ohio	A.D. 1940, Fand Carventy, Canon	
Eisner, Edith Chelimer A.B. 1946, Duke Heisner	D.C.	Egypt William	D.C.
p. A.M. 1942 Color University		Elmore, Willett Elms, Betty Jane	Va.
Elitaer, Jerome Condimbia University		Class, Detty Jane	D.C.
A.B. 1946, Duke University A.M. 1947, Columbia University Einner, Jerome Einner, Mark, Jr. Einner, Robert B.S.	N.Y. N.Y. N.Y.		D.C.
Cinner, Robert	N.Y.	B.S. 1048. The George Washington	
B.S. 1940 College	N.Y.	University	Md.
B.S. 1940, College of the City of New York E.M. 1942, Columbia University		Elward, Anne Frances	
A.M. 1942, Columbia University		Elwood, William Patrick	D.C.
Eister, Joseph Owen Ekelund, Kenneth Occasion		Ely, Adair Anderson	Va.
Exelund, Kennesh O	D.C.		W.Va.
Kendalt a martin Olcar	Md.	Elv. Robert Burroughs	Va.
	Pa.	A.B. 1920, Emory and Henry College LL.B. 1926, The George Washington	
Eliades, William	Minn.	LL.B. 1926, The George Washington	
Cider 12-1. Annual	D.C.	Injugativ	
Eldredge, Robert D	D.C.	Embler, Ralph Edward	N.Y.
Eldredge, Robert Brene A.B. 1948, Duke University Eldridge, Eugene Russell A.B. 1943, The George Washington	Vı.	Embrey, Lemuel Jackson	Va.
Eddridge Bon Duke University		A.B. 1017. The George Washington	
A.B. 1943. The George Washington	N.Y.	University	
Dt. University George Washington		Embrey, Thomas Carl	D.C.
Eldridge, John For		Emch, George Frederick	D.C.
Elinidge, Richard &	D.C.	B.S. 1048. Trinity College	
Eldridge, John Fox Eldridge, Richard Adams Eldridge, Robert Louis	D.C.	Emerson, Charles William	Le.
1,0011	Tex.	Emerson, Edyth Hildegard	D.C.

Emerson, George Alexander	N.M.	Escobar, Blanca Gloria Puert	to Rico
A.B. 1942, University of New Mexico A.M. 1948, American University		Eshleman, Von Russel	Ohio
A.B. 1942, Oniversity of Iven statement		Eskenazi, Solomon	N.Y.
A.M. 1948, American Oniversity	3.4		N.D.
Emerson, Janet Emmett, William Joseph	TATES.	Eskes, James Norman	N.D.
Emmett, William Joseph	D.C.	Eskes, Juanita Ennis Eskin, Frederick Leopold	D.C.
Enderlin, Arthur	Hawaii	Eskin, Frederick Leopold	D.C.
C in Lane Elizabeth	Mich.	Eskite, Wilbur Henry	D.C.
Eneix, Irene Elizabeth	Calif.	Eslinger, Frank Robert	Va.
Enever, Grace	Caill.	D.C. and Hairmits of Non Marion	
Engelman, Phyllis Claire	D.C.	B.S. 1946, University of New Mexico	Va.
Washish Harry Cole	Md.	Esmacher, Harry William Esparolini, Luis Manuel	V 8.
English, Harry Cole B.S. 1935, Wilson Teachers College		Esparolini, Luis Manuel	D.C.
B.S. 1935, Willion Teachers Conelle	N1 /2	Espeland, Adelaide L.	Minn.
English, Mildred Elizabeth	N.C.	Esperand, Aderaide L.	Md.
B.S. 1946, College of William and		Espey, Beatrice Mae	Sec.
Mary		A.B. 1928, University of Nebraska Espey, Helen Elizabeth	
	D.C.	Espey, Helen Elizabeth	D.C.
Engelhardt, Charles William			D.C.
Engelstad, Julian Barthol	Wis.	rabile, t clibe villeins	N.Y. D.C.
Facelthaler, Fred Edward	III.	Espinosa, Jose Maria	S' V
B.S. 1938, Illinois Institute of Tech-		Essman, Leonard Joseph	20.0.
D.3. 1930, Million Shortters of Jan			Dyn
nology	W	LL.B. 1940, College of South Jersey Estanich, Joseph Anthony	
Engle, Clarence Hess, Jr.	Kana.	Establish Israel Asshable	Pa.
A.B. 1944. University of Kansas		Estanich, Joseph Anthony	D.C. D.C. Va.
Racellas Garcea Rennett	Va.	Esten, Harold	5.0
E L'al Thomas Vauna	Tenn.	Ester, Armand William	D.C.
Engelby, George Bennett English, Thomas Young	A months.	Estes, Armand William Estes, Carl W.	Va-
A.B. 1010. The George Washington		E . II Ant Ye	Md.
University		Estes, Harry Arthur, Jr.	Va.
Enia, Thalbert Wright	D.C.	Estes, Myrtle Anne	Va.
Rania Danhara Etaina	Colo.	Estes, Richard Kerr	571.0
Ennis, Barbara Elaine	Coro.	Estava Hancu	Fla.
A.B. 1944, Colorado College	70.71	Esteva, Henry Ethier, Henry Edward	Md.
A.B. 1944, Colorado College Ennis, Harry Hughes	Vt.	Ether, Henry Loward	Va.
A.B. 1948, Brigham Young University		Eubank, David Sutton	Va.
Faringer lean Cordon	Va.	Fuhank loves	
Eariquez, Jean Gordon	DC	A.B. 1946, University of Richmond	D.C. N.Y.
Enten, Robert Carl	D.C.	France Waster In	D.C.
Enterline, Eather Marie	D.C.	Eumont, Harry Wesley, Jr. Eunson, Edward S.	N.Y.
Entler, Edmond Paul	Va.	Eunson, Edward S.	
Enzor, Thomas Henry, Jr.	Ala.	A.B. 1046. University of Illinois	Va-
	D.C.	Fustace William Elmer	21.1
Eoannou, Nicholas Kosmas	3/-	A.B. 1946, University of Illinois Eustace, William Elmer Evangelista, Albert	N.J. Va.
Epaminonda, John Gaudizio	Va.	Evangerista, Ambert	Va.
LL.B. 1015. The George Washington		Evans, Albert Harold Evans, Carleton Kriete Evans, Clarence William	Md.
University		Evans, Carleton Kriete	Del.
P 1. M Pil	D.C.	Evans Clarence William	200
Eppley, Mary Ellen	DA.	B.S. 1923, University of Delaware Evans, David Robert	27-
A.B. 1948, Hood College		B.S. 1913, University of Delaware	Va.
Epstein, Daniel M.	D.C.	Evans, David Robert	Va-
B.S. in Ed. 1939, Wilson Teachers		Evans, Douglas Kibbey	D.C.
D.S. 18 Ed. 1939, 17 11 10 11 4 CHELLET		Evans, Evelyn Colmetz	Md.
College		Corne Corne William In	Vale.
A.M. 1948, University of Michigan		Evans, Frank William, Jr.	
	N.J.	B.S. in A.E. 1917. Georgia School	
AR 1042 New York University		of Technology	D.C.
P	N.Y.	Evans, John Penhallow, Jr.	D.C.
A.B. 1947, New York University Epstein, Joseph Bernard A.B. 1942, The George Washington	44.44	Event Inner Laure	D ale
A.B. 1942, The George Washington		Evans, Joyce Louise	Ark.
University		Evans, Joyce Louise Evans, Madie Elizabeth	Calif.
	Mass.	Evans, Myrtle May	Va.
Epstein, Marion	N.Y.	C O A	
Epstein, Matthew Herbert	Md.	A.B. 1010. University of Kansas City	Pa.
Epstein, Matthew Herbert Epstein, Melvin Douglas		A.B. 1010, University of state	3 0.
Epstein, Milton	N.Y.	Evans, Philip Gordon College	1 - 0
A.B. 1948, New York University		A.B. 1016, Pennsylvania State College	p.C.
	N.Y.	Evans, Richard Judd B.S. 1948, The George Washington University	
Erenthal, Joseph	21.37	D.C The Course Washington	
Ergas, Isaac	N.Y.	D.S. 1948, 126 Office to	97.0
B.M.E. 1048. New York University		University	Va.
Erickson, Patricia Sparks	D.C.	Evans, Robert Laster	Ohio
Brickson Dobert Lule	D.C. D.C. Calif.	Evans Richard Timothy	Ps.
Erickson, Robert Lyle	0.17	Evens Bowland Is	Kans.
Ernst, Edward Cranch	Carri.	University Evans, Robert Laster Evans, Richard Timothy Evans, Rowland, Jr. Evans, Sally Ann Evans, Susan Elizabeth Evans, Walker Williams B.S. 1930, Presbyterian College Evans, William George Evans, William George	nc
Erp, Marjorie Jean	D.C.	Evans, Sally Ann	D.C.
A.B. 1046, Washington State College		Evans, Susan Elizabeth	D.C.
Feeting Push	Md.	Evans, Walker Williams	
Erskine, Ruth	Ser.	RS toto Preshyterian College	D.C.
A.B. 1928, Bethany College	3.63	P. Milliam Cooper	D.C.
Ervin, Adelaide Margaret	Md.	Evans, William George	211
Erving, Madge Easton	D.C.	Eve, Christopher Fitzsimon	III.
Paris Mana	D.C.	Even. Francis Alphonse B.S. in M.E. 1941, University of	
Erwin, Hope	21.0.	De in M.F. 1044 University of	
A.B. 1947, Vassar College		D.S. IR M.C. 1942,	nC
Each, Albert Frederick	D.C.	Illinois	D.C.
Each, Arthur Gerald	Ili.	Evenson, Marilyn Olis	D.C.
B.C. and United Coates Manual	800.	Evenson, Norma Doris	D.C.
B.S. 1940, United States Naval		Eventon, Millian Edward	
Academy		Everdale, William Edward	

Everding, Charles Jerome	21.11	E 11. C	-
Everett, Annie Loora Everett, Ernest Edward Everett, Franklin Miles	N.Y. D.C. Va.	Falk, George	D.C.
Everett, Ernest Edward	V.	Falk, Morris Falk, Stephen Ackley	Conn.
Everett, Franklin Milton	D.C.	Falkinburg, Francis Clarence	N.J.
Everett, Gerald Waddell Everett, Phoebe Ruth	Miss.	Fallin, Thomas Lee	Fla.
Everhart, Clarence Edward	Md.	Falloon, James Hugh, Jr. A.B. 1948, The George Washington	Nebr.
B.S. Laurence Edward	Ohio	A.B. 1948, The George Washington	
Everly, Janice Marie Evry, Allen Ewan, Edward Theodorie	BILLA	University Famous, Priscilla	3//
E.vry, Allen	D.C.	Famulatte, Julius Anthony	Md. D.C.
Ewan, Edward Theodore	Va.	Frank Flinsboth March	Mass.
Start Southwestern Missouri		A.B. 1942, Wellesley College A.M. 1947, University of Chicago Fanget, Louis Alfred	
Ewing, Mary Kennedy		A.M. 1947, University of Chicago	
F.Wy. Constant No.	Va.	Panget, Louis Alfred	N.J.
A.B. 1941. The George Washington	Minn.	A.B. 1939, Rutgers University Fannan, Helen Ruth	Pa.
C. Monard S. Street		Fanning, James Joseph	D.C.
Eynon, Lee Ellen Eyster, Marguerite Butts Eystchison, Vernon Leland Enelle, L. Jeanette	Va.	Fanning, James Joseph Fantom, Herman Theodore	Md.
Eytchison, Vernon Leland	W.Va.	Farace, Matthew Anthony	D.C.
Enelle, L. Jeanette	D.C. D.C.	Farbach, Carl F.	Calif.
	D.C.	Farbach, Carl F. A.B. 1923, LL.B. 1926, J.D. 1930, Harvard University	
n. y		Farber, Betty A.	D.C.
Faber, Sidney Fabi, Mario Nester Fabian, Joseph	21.17	Farkas, Howard	Md.
Fabi, Mario Nester	N.Y.	Farley, Julia Marie	D.C.
Fabian, Joseph Facinoli, Frank J. B.S. 1946. West Virginia Institute of Technology Fackler, Walter David Fadeley, Jane Maid	Pa. Pa.	Farman, Carl Hugh	D.C.
BS total	D.C.	A.B. 1923, A.M. 1924, Ph.D. 1931,	
of Technology Virginia Institute		University of Southern California Farmaniarma, Ali Naghi	D.C.
Fackler, Walter David		A.B. 1947. A.M. 1949. University o	
Fadeley, Jane McNeal Fadeley, Marian Elizabeth A.B. 1948, Mary Washington	D.C.	California	
A R. Marian Elizabeth	D.C.	Farmanfarmaian, Leila	Iran
	PR .	Farmer, Betty Frances	Va.
A.B. 1048. Mary Washington Colleg Fader, Kenneth Blair Fagan, Edward Mallon B.S. 1044. U.S.	Mass.	Farmer, Garland Roscoe, Jr.	Tex.
D.O. 1914 Heisal C.	Ohio	A.B. 1944. University of Texas Farmer, Paul Vernon	Mass.
B.S. 1946. United States Naval Academy Fahringer, Victor Thouburn Fahrney, Delmer Stater Fahrney, James Bowman Fahrney, James Bowman Fahrney, John William A.B. 1948. The George Washington		Farnsworth, Carl Davis	W.Va.
Fahrner Victor Thouburn	Va.	Ph.B. 1942, West Virginia University	,
Fahrney Leimer Stater	D.C.	Farnsworth, Carl Jackson	W.Va.
Fahrney, James Bowman	Va.	A.B. 1015. New River State College	D.C
Pahrney, John William	Va. Va.	Farquarson, Sue Wahle Farr, Boyd Joseph	Utah
A.B. 1948. The Garage W. 11	D.C.	Farr, Clifta Belle	Ga.
A.B. 1948. The George Washington University Pahy, John Southworth B. 1932. United States Naval Academy Faiella, Lawrence B		Farrell, Albert Bernard	D.C.
B.s. John Southworth	Pa.	A.B. 1937. University of Maryland	
Academia United States Naval	8.41.	Farrell, Diane Carolyn	Va.
Paiella, Lawrence B.		Farrell, Edgar Henry, Jr.	N.J. D.C.
LLB. 1926, LL.M. 1927, St. Lawren	D.C.	Farrell, John Joseph	D.C.
Pain Miversity 1927, St. Lawren	ICE	B.S. 1946, University of South Caroli Farrell, Natalie Jean	Calif.
Fain, Martin Robert		Farrell, Samuel	Conn.
A.B. Stutzman	D.C. Va.	Farren, Walter Raleigh Farris, Frederick Joseph	D.C
Pair, Martha Chilligan College	¥ 6.	Farris, Frederick Joseph	Va.
Pair, Joseph Stutzman A.B., 1947. Milligan College Pair, Martha Christine Fair, Robert James A.B., 1947. The College	Va.	Farris, Raymond	N.C.
11 1947. The Carry Inc.	Ind.	A.B. 1016. University of Maryland	MEG.
Fairbanks, Eugene Francis Fairchild, JoAnn Shirley		Farthing Eunice	D.C.
Fairchild Eugene Francis	2.0	Farthing, Eunice Farwell, Natalie Anna	Va
Fairchild Johnn Shirley	Mass.	Farv. Thomas Franklin	Va
Fairchild, Johnn Shirley Fairchild, Johnn Shirley Fairchild, Johnn Cyrus Fairfield, Dean Elburn Faison, Edmund Winster	Va.	Fasig. Lois Lorena	D.C.
Faison, Edmund Winston A.B. 1948, The Garage	Iowa	B.S. in Ed. 1012, Ohio State	
A.B. 1948, The Con	D.C.	Fast, Rita Sandra	N.J.
Paint Washington			elgium
Faith, Don Carlon Faith, Ethelun F	-	A.B. 1048, The George Washington	
Faith, Ethelyn J. B.S. 1930, Tennessoe Sesse Teachere Falardeau, Thelma Elaine	D.C.	University	
P. College Tennessee State Touchand	D.C.	Fashian Haban Mass	Tex.
Falardeau, Thelma Elaine Falatko, Thomas Stephen		B.S. in E.E. 1948, University of Texa	DC
Falatko, Thomas Stephen Falco, Maria Anna Flina	D.C.	Faulkage Josephine Book	D.C.
Falco, Maria Anna Elizabeth	Pa.	B.S. in E.E. 1948, University of Texa Faulconer, John Revnolds, Jr. Faulkner, Josephine Brock Faulkner, Richard Fulton	Va.
Faljean, Gregory Joseph	200	Faunce, Margaret Ann	D.C.
a bet	F . C		
	D.C.	Faurote, Philip Dana	Md.

Fausel, Walter Eugene	N.J.	Fennell, Iames Francis	D.C.D.C.D.C.
B.S. 1929, Pennsylvania State Colleg	e	Fennell, James Francis Fenton, Elizabeth Faulkner	D.C
LL.B. 1948. Washington and Le		Fenton, Elizabeth Fautubes Fenton, Mary Alice Fenton, Patricia Joanne Fentress, Jacqueline Regina Fentress, Grayson Goldzier Fenwick, Paul Robert Fenwick, Virginia Anne Ferber, Ruth Sures A B. 1046. The George Washington	D.C
University		Fenton, Patricia Ioanne	D.C
Faust, James Emory	D.C.	Fentress, Jacqueline Regina	D.C
A.B. 1948, The George Washington		Fentriss, Gravson Goldzier	AT
University		Fenwick, Paul Robert	Ores
Faustman, Donald Milton	D.C.	Fenwick, Virginia Anne	Va.
Faux, William Edwin	Pa.	Ferher, Ruth Sures	Pa
Faux, William Lawin	Pa.	A.B. 1946, The George Washington	
Favarella, Fiodie Paul	D.C.	University	_
Favinger, Clyde Young Faxon, Glen Shirley	Va.	Ferebee, Margaret Louise	N.C
Faxon, Gien Shirtey	D.C.	A.B. 1948, University of North	
Fay, Elmer Royal, Jr.	Ohio	Carolina	
Fay, Robert Jessee B.S. 1942, Massachusetts Institute	0010	Ferguson Doris Anne	Va
D.S. 1942, Massachusetts austreat		Ferguson, Doris Anne Ferguson, Evelyn Merrill	Va
of Technology	isw	B.S. 1946, George Peabody College	
LL.B. 1948, Western Reserve Univers	Minn.		
Fay, William I.	Md.	Ferguson, Mary Virginia Ferguson, Robert Wallace	Ask
Fazenbaker, Paul Clayton	Va.	Ferguson Robert Wallact	Mass N.Y
Feagan, Eugene Riley	Ala.	Forlan Arthur Porry	N. 1
Fealy, Jack B.S. 1947. Birmingham Southern	2000.	BEE 1044 College of the City of	
6.5. 1947, Birmingnam Southern		Ferlan, Arthur Perry B.E.E. 1944, College of the City of New York	m*
College	D.C.	Fernandez, Hector Enrique Puert	O KICL
Fealy, John Marvin	W.Va. W.Va.	Fernandez, Orman Brown, Jr.	D.C.
Fearnow, John Tyler Feaster, Eston Kermit	W Va	A.B. 1942, Colby College	9/
Peaster, Eston Kermit	44.44.	Feenbach Donald Joseph	N.Y.
A.B. 1935. Fairmont State College A.M. 1940, West Virginia Universit	w	Fernbach, Donald Joseph A.B. 1948, Tusculum College Fernald, Charles Albert	20
A.M. 1940, West Virginia Cambroone	D.C.	Feenald Charles Albert	D.C.
Featherstonhaugh, Arthur Cambronne Febrey, Albert William, Jr.	Va.	Fero, Donald Alva	VA
Febrey, Albert William, Jr.	Nebr.	Ferres Gennero	N.J.
Federle, Jesse Alan Fedirko, Walter	N.J.	Forces Ithe Henrietta	D.C.
Pedirko, Walter	24.3.	Ferrara, Gennaro Ferree, Itha Henrietta Ferrell, Barbara Ann	D.C.
A.B. 1947, Cornell University	Minn.	Ferrell, Charles	Kam
Fedrizzi, Esther Dolores	Pa.	Ferrenz, Robert Tirrell	Kans. D.C. N.J.
Feeley, John Joseph		Fee: Daymond Thomas	M-1
reeney, Joseph Francis	Ohio	Ferri, Raymond Thomas	Okla
P.C. O. W Passes Ilminore	in w	Ferril, Dale Ray	R.I.
Feeney, Joseph Francis Feezel, Richard Albert B.S. 1948, Western Reserve Univers	ity	Ferrill Grace Cecelia	JK, 1.
B.S. 1948, Western Reserve Univers Fehrman, Ray Frank		Ferrill, Grace Cecelia A.B. 1948, The George Washington	
Fehrman, Ray Frank Feinberg, Irving David	D.C	Ferrill, Grace Cecelia A.B. 1948, The George Washington University	Va
Fehrman, Ray Frank Feinberg, Irving David		Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith	Va. Va.
Fehrman, Ray Frank Feinberg, Irving David	D.C N.J.	Ferrill, Grace Cecelia A.B. 1048, The George Washington University Ferris, Carlisle Keith Ferris, Leanne	Va. Va.
Fehrman, Ray Frank Feinberg, Irving David	D.C N.J. Pa.	Ferrill, Grace Cecelia A.B. 1048, The George Washington University Ferris, Carlisle Keith Ferris, Leanne	Va. Va.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin	D.C N.J. Pa.	Ferrill, Grace Cecelia A.B. 1048, The George Washington University Ferris, Carlisle Keith Ferris, Joanne Ferris, Joanne	Va. Va.
Fehrman, Ray Frank Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David	D.C N.J. Pa. D.C. N.Y	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Joanne Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's	Va. Va. Va.
Fehrman, Ray Frank Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David	D.C. N.J. Pa. D.C. N.Y. D.C.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Joanne Ferry, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College	Va. Va. Va.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin	D.C. N.J. D.C. N.Y. D.C. D.C.	Ferrill, Grace Cecelia A.B. 1048, The George Washington University Ferris. Carlisle Keith Ferris. Jeanne Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John	Va. Va. Va. Va.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rac Feldman, Melvin Martin Feldman, Sol Robert	D.C. N.J. D.C. N.Y D.C. D.C. D.C.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Joanne Ferry, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College	Va. Va. Va. Va. Pa. Pa.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley	D.C. N.J. D.C. N.Y D.C. D.C. D.C.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Joanne Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin, August John Fetterolf, Wallace Kermit Feula, James Joseph	Va. Va. Va. Va. Pa. Pa.
Fehrman, Ray Frank Feinberg, Leonard Jay B.S. 1047, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felcicetti, Dominic	D.C. N.Y. D.C. D.C. D.C. R.I.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferris. Joanne Ferry. Joanne Ferry. John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf. Wallace Kermit Feula. James Joseph Feusahrens. William Henry	Va. Va. Va. Va. Pa. Pa.
Fehrman, Ray Frank Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic	D.C. N.J. D.C. N.Y D.C. D.C. D.C.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy	Va. Va. Va. Va.
Fehrman, Ray Frank Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic	D.C. N.Y. D.C. D.C. D.C. D.C. R.I. Pa	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferry, Joanne Ferry, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Eichen Jeller Zelde Diamond	Va. Va. Va. Va. Pa. N.J. D.C. N.J. D.C. N.J.
Fehrman, Ray Frank Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic	D.C. N.J. D.C. N.Y D.C. D.C. D.C. R.I. Pa	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferry, Joanne Ferry, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Eichen Jeller Zelde Diamond	Va. Va. Va. Va. Va. Pa. N.I. D.C. N.I. D.C. Md.
Fehrman, Ray Frank Feinberg, Leonard Jay B.S. 1047, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1048, American University Feller, Harry Phillips	D.C. N.Y. D.C. D.C. D.C. R.I. Pa	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferry, Joanne Ferry, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Eichen Jeller Zelde Diamond	Va. Va. Va. Va. Pa. N.J. D.C. N.J. D.C. N.J.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Ralph Miles	D.C. N.J. D.C. N.Y D.C. D.C. D.C. R.I. Pa	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin, August John Fetterolf, Wallace Kermit Feula, James Joseph Feusahrens, William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1948, Cornell University Ficken, Rudolfh William	Va. Va. Va. Va. Va. Pa. N.I. D.C. N.I. D.C. Md.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillipo Feller, Ralph Miles Feller, Catherine Morrison	D.C. N.J. Pa. D.C. N.Y D.C. D.C. D.C. R.L. Pa. D.C. N.Y N.Y.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin, August John Fetterolf, Wallace Kermit Feula, James Joseph Feusahrens, William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1948, Cornell University Ficken, Rudolfh William	Va. Va. Va. Va. Va. Pa. N.I. D.C. N.I. D.C. Md.
Fehrman, Ray Frank Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Catherine Morrison Fellers, Raymond David	D.C. N.Y. D.C. D.C. D.C. R.I. Pa	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin, August John Fetterolf, Wallace Kermit Feula, James Joseph Feusahrens, William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1948, Cornell University Ficken, Rudolfh William Fiddler, Robort William B.M.E. 1946, College of the City	Va. Va. Va. Va. Va. Pa. N.I. D.C. N.I. D.C. Md.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Sol Robert Fellert, Lamp Millep Feller, Ralph Millep Fellers, Catherine Morrison Fellers, Raymond David Fellows, Keith Harrison	D.C. N.Y. D.C. D.C. D.C. R.I. Pa	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Jeanne Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Fichen, Rudolfh William Fiddler, Robert William Fiddler, Robert William B.M.E. 1946, College of the City of New York.	Va. Va. Va. Va. Va. Va. Va. Va. Va. Va.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillipo Feller, Ratph Miles Fellers, Catherine Morrison Fellers, Raymond David Fellows, Keith Harrison Pellows, William Albert	D.C. N.J. D.C. N.Y. D.C. D.C. P.C. D.C. R.I. Pa	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Jeanne Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1948, Cornell University Ficken, Rudolfh William Fiddler, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble. Ja	Va. Va. Va. Va. Va. Va. Va. Va. Va. Va.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Sol Robert Feldman, Stanley Felleretti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Ralph Miles Fellers, Catherine Morrison Fellers, Raymond David Fellows, Keith Harrison Fellows, William Albert Felsenthal, Leonard	D.C. N.Y. D.C. D.C. D.C. R.I. Pa	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Jeanne Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1948, Cornell University Ficken, Rudolfh William Fiddler, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble. Ja	Va. Va. Va. Va. Va. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. Miss.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Rajph Miles Fellers, Catherine Morrison Fellers, Raymond David Fellows, William Albert Felsenthal, Leonard B.S. 1938, University of California	D.C. N.J. D.C. N.Y. D.C. D.C. P.C. D.C. R.I. Pa	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1945, Cornell University Ficken, Rudolfh William Fidder, Robert William B M.E. 1946, College of the City of New York Field, Jenaings Pemble, Ji B.S. 1941, Millsape College M.S. 1947, Rensselaer Polytechnic	Va. Va. Va. Va. Va. Va. Va. Va. Va. Va.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Ralph Miles Feller, Catherine Morrison Fellers, Catherine Morrison Fellers, Raymond David Fellows, Keith Harrison Fellows, William Albert Felsenthal, Leonard B.S. 1948, University of California A.M. 1940, University of Chicago	D.C. N.J. Pa. D.C. N.Y D.C. D.C. R.J. Pa. D.C. N.Y N.Y N.J. Va. Maine D.C.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Jeanne Ferris, Joanne Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin, August John Fetterolf, Wallace Kermit Feula, James Joseph Feusahrens, William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1948, Cornell University Ficken, Rudolfh William Fiddler, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Ji B.S. 1941, Millsape College M.S. 1947, Rensselaer Polytechnic Institute	Va. Va. Va. Va. Va. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. Miss.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Fellerel, Pallip Feller, Harry Phillip Feller, Harry Phillip Feller, Ralph Mile Fellers, Raymond David Fellowa, Keith Harrison Fellowa, Keith Harrison Fellowa, Keith Harrison Fellowa, Keith Harrison Fellowa, Leonard B.S. 1938, University of California A.M. 1940, University of Chicago Feltman, David Brown	D.C. N.J. Pa. D.C. N.Y. D.C. D.C. P.C. R.L. Pa. D.C. N.Y. N.Y. N.J. Va. Maine D.C. Va.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Jeanne Ferris, Joanne Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin, August John Fetterolf, Wallace Kermit Feula, James Joseph Feusahrens, William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1948, Cornell University Ficken, Rudolfh William Fiddler, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Ji B.S. 1941, Millsape College M.S. 1947, Rensselaer Polytechnic Institute	Va. Va. Va. Va. Va. Va. N.J. D.C. Miss. Pa.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Rajph Miles Fellers, Catherine Morrison Fellers, Raymond David Fellows, William Albert Felsenthal, Leonard B.S. 1938, University of California A.M. 1940, University of Chicago Feltman, David Brown Feltman, Robert Ferree	D.C. N.J. Pa. D.C. N.Y. D.C. D.C. R.T. Pa. D.C. N.Y. N.Y. Va. Maine D.C. Va. Va.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Jeanne Ferris, Joanne Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin, August John Fetterolf, Wallace Kermit Feula, James Joseph Feusahrens, William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1948, Cornell University Ficken, Rudolfh William Fiddler, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Ji B.S. 1941, Millsape College M.S. 1947, Rensselaer Polytechnic Institute	Va. Va. Va. Va. Va. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. Miss.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Ralph Miles Feller, Catherine Morrison Fellers, Catherine Morrison Fellows, Keith Harrison Fellows, William Albert Felsenthal, Leonard B.S. 1948, University of California A.M. 1940, University of Chicago Feltman, David Brown Feltman, Robert Ferree Fender, Rose Calvin	D.C. N.J. Pa. D.C. N.Y D.C. D.C. R. J. Pa. D.C. N.Y N.J. Va. Maine D.C. Va. Va. Nebr.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf. Wallace Kermit Feula, James Joseph Feusahrens. William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1945. Cornell University Ficken. Rudolfh William Fiddler, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Ji B.S. 1941, Millsaps College M.S. 1947, Rensselaer Polytechnic Institute Field, Lawrence Irving B.S. 1935. College of the City of New York	Va. Va. Va. Va. Va. Va. N.J. D.C. Miss. Pa.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Ralph Miles Feller, Catherine Morrison Fellers, Catherine Morrison Fellows, Keith Harrison Fellows, William Albert Felsenthal, Leonard B.S. 1948, University of California A.M. 1940, University of Chicago Feltman, David Brown Feltman, Robert Ferree Fender, Rose Calvin	D.C. N.J. Pa. D.C. N.Y. D.C. D.C. R.T. Pa. D.C. N.Y. N.Y. Va. Maine D.C. Va. Va.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf. Wallace Kermit Feula, James Joseph Feusahrens. William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1945. Cornell University Ficken. Rudolfh William Fiddler, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Ji B.S. 1941, Millsaps College M.S. 1947, Rensselaer Polytechnic Institute Field, Lawrence Irving B.S. 1935. College of the City of New York	Va.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Ratph Miles Feller, Catherine Morrison Fellers, Catherine Morrison Fellowa, William Albert Felsenthal, Leonard B.S. 1948, University of California A.M. 1940, University of Chicago Feltman, David Brown Feltman, Robert Ferree Fender, Rose Calvin Fenderson, Ralph Leon, Jr. A.B. 1942, University of California	D.C. N.J. Pa. D.C. N.Y D.C. D.C. R. J. Pa. D.C. N.Y N.J. Va. Maine D.C. Va. Va. Nebr.	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferris. Joanne Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1948, Cornell University Ficken, Rudolfh William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Ji B.S. 1941, Millsape College M.S. 1947, Renseelaer Polytechnic Institute Field, Lawrence Irving B.S. 1948, University of New York Field, Milton Mortimer B.S. 1948, University of	Va. Va. Va. Va. Va. Va. Va. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. N.Y. Va. N.Y. Va. Va. Va. Va. Va. Va. Va. Va. Va. Va
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Ralph Miles Feller, Rather Morrison Fellers, Raymond David Fellows, Keith Harrison Fellows, Keith Harrison Fellows, William Albert Felsenthal, Leonard B.S. 1948, University of California A.M. 1940, University of Chicago Feltman, David Brown Feltman, Robert Ferroe Fender, Rosa Calvin Fenderson, Ralph Leon, Jr. A.B. 1942, University of California at Los Angeles	D.C. N.J. Pa. D.C. N.Y. D.C. D.C. P.C. R.J. Pa. D.C. N.Y. N.J. Va. Maine D.C. Va. Va. Nebr. Ariz	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris, Carlisle Keith Ferris, Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feachin, August John Fetteroll, Wallace Kermit Feula, James Joseph Feusahrens, William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1945, Cornell University Fichen, Rudolfh William Fiddler, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Ji B.S. 1941, Millsaps College M.S. 1947, Rensselaer Polytechnic Institute Field, Lawrence Irving B.S. 1945, College of the City of New York Field, Milton Mortimer B.S. in E.E. 1948, University of Nebraska	Va. Va. Va. Va. Va. Va. Va. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. D.C. N.J. N.Y. Va. N.Y. Va. Va. Va. Va. Va. Va. Va. Va. Va. Va
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Rajph Miles Fellers, Catherine Morrison Fellers, Raymond David Fellowa, William Albert Felsenthal, Leonard B.S. 1938, University of California A.M. 1949, University of Chicago Feltman, Robert Ferree Fender, Rosa Calvin Fendersoon, Ralph Leon, Jr. A.B. 1942, University of California at Los Angeles Fenlon, Raymond Henry	D.C. N.J. Pa. D.C. N.Y. D.C. D.C. R. I. Pa. D.C. N.Y. N.J. Va. Maine D.C. Va. Va. Nebr. Ariz	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferris. Joanne Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1945, Cornell University Ficken, Rudolfh William Fidder, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Ji B.S. 1941, Millsape College M.S. 1947, Rensselaer Polytechnic Institute Field, Lawrence Irving B.S. 1947, Rensselaer Polytechnic Institute Field, Lawrence Irving B.S. 1948, University of New York Field, Milton Mortimer B.S. in E.E. 1948, University of Nebraska Fields, Mary Lou	Va. Va. Va. Va. Va. Pa. Pa. N.J. D.C. Mids. N.Y. Va. Calif.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Ratph Miles Feller, Ralph Miles Feller, Ratph Miles Fellers, Catherine Morrison Fellers, Catherine Morrison Fellers, Catherine Morrison Fellers, Catherine Morrison Fellers, University of California A.M. 1940, University of California A.M. 1940, University of Chicago Feltman, David Brown Fenderson, Ralph Leon, Jr. A.B. 1942, University of California at Los Angeles Fenlon, Raymond Henry Fenn, Dolores June	D.C. N.J. Pa. D.C. N.Y. D.C. D.C. D.C. R.T. Pa. D.C. N.Y. N.Y. Va. Maine D.C. Va. Nebr. Ariz	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferris. Joanne Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1945, Cornell University Ficken, Rudolfh William Fidder, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Ji B.S. 1941, Millsape College M.S. 1947, Rensselaer Polytechnic Institute Field, Lawrence Irving B.S. 1947, Rensselaer Polytechnic Institute Field, Lawrence Irving B.S. 1948, University of New York Field, Milton Mortimer B.S. in E.E. 1948, University of Nebraska Fields, Mary Lou	Va. Va. Va. Va. Va. Va. Va. N. Y. Va. Calif. Va.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Grace Rae Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Ratph Miles Feller, Ralph Miles Feller, Ratph Miles Fellers, Catherine Morrison Fellers, Catherine Morrison Fellers, Catherine Morrison Fellers, Catherine Morrison Fellers, University of California A.M. 1940, University of California A.M. 1940, University of Chicago Feltman, David Brown Fenderson, Ralph Leon, Jr. A.B. 1942, University of California at Los Angeles Fenlon, Raymond Henry Fenn, Dolores June	D.C. N.J. Pa. D.C. N.Y. D.C. D.C. R. I. Pa. D.C. N.Y. N.J. Va. Maine D.C. Va. Va. Nebr. Ariz	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferris. Joanne Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1945, Cornell University Ficken, Rudolfh William Fidder, Robert William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Ji B.S. 1941, Millsape College M.S. 1947, Rensselaer Polytechnic Institute Field, Lawrence Irving B.S. 1947, Rensselaer Polytechnic Institute Field, Lawrence Irving B.S. 1948, University of New York Field, Milton Mortimer B.S. in E.E. 1948, University of Nebraska Fields, Mary Lou	Va. Va. Va. Va. Va. Pa. Pa. N.J. D.C. Mids. N.Y. Va. Calif.
Fehrman, Ray Frank Feinberg, Irving David Feinberg, Leonard Jay B.S. 1947, Rutgers University Fela, George Henry Feld, Gerald Marvin Feldman, David Feldman, Melvin Martin Feldman, Sol Robert Feldman, Stanley Felicetti, Dominic Fell, Rosemary B.S. 1948, American University Feller, Harry Phillips Feller, Rajph Miles Fellers, Catherine Morrison Fellers, Raymond David Fellowa, William Albert Felsenthal, Leonard B.S. 1938, University of California A.M. 1949, University of Chicago Feltman, Robert Ferree Fender, Rosa Calvin Fendersoon, Ralph Leon, Jr. A.B. 1942, University of California at Los Angeles Fenlon, Raymond Henry	D.C. N.J. Pa. D.C. N.Y. D.C. D.C. D.C. R.T. Pa. D.C. N.Y. N.Y. Va. Maine D.C. Va. Va. Nebr. Ariz	Ferrill, Grace Cecelia A.B. 1948, The George Washington University Ferris. Carlisle Keith Ferris. Joanne Ferris. Joanne Ferry, John Paul A.B. 1937, B.S. 1938, St. Joseph's College Feschin. August John Fetterolf, Wallace Kermit Feula. James Joseph Feusahrens. William Henry Feyrer, Nancy Fichandler, Zelda Diamond A.B. 1945, Cornell University Ficken, Rudolfh William B.M.E. 1946, College of the City of New York Field, Jennings Pemble, Js B.S. 1941, Millsaps College M.S. 1947, Rensselaer Polytechnic Institute Field, Lawrence Irving B.S. 1937, College of the City of New York Field, Milton Mortimer B.S. in E.E. 1948, University of Nebraska Fields, Mary Lou	Va. Va. Va. Va. Va. Va. Va. N. Y. Va. Calif. Va.

Fields, Sidney J. Toe George Washington C. B.S. 1943. Toe George Washington Criversity Fields, I Domas Fields, Victor S. S. 1944. Brooklyn College P. A.M. 1936. Columbia University Fields, P. Samuel Joeseph File R. 1945. State of P. S. 1944. Brooklyn College P. A.M. 1936. Columbia University Fields, P. Samuel Joeseph File R. 1945. State of P. S. 1944. Brooklyn College P. A.M. 1945. Columbia University File R. 1945. State of P. S. 1944. Brooklyn College P. A.M. 1945. Columbia University Files, George Washington C. P. S. 1945. State of P. S. 1945. Sta	Fields Sidner I	* 0	1: 1 H C!	6.0
Finds, Victor B. 1936, Brooklyn College B. 1936, Columbia University Field, W1936, Columbia University Field, W1936, Columbia University Field, W1936, Stewart, Jr. File, R. Samuel Joseph File, R. Samuel Joseph File, R. Samuel Joseph File, R. Samuel Joseph File, R. Samuel Joseph File, R. R. Samuel Joseph File	B.S. 1941 The Course Washing	D.C.	Fischer, Harry Carl	D.C.
Finds, Victor B. 1936, Brooklyn College B. 1936, Columbia University Field, W1936, Columbia University Field, W1936, Columbia University Field, W1936, Stewart, Jr. File, R. Samuel Joseph File, R. Samuel Joseph File, R. Samuel Joseph File, R. Samuel Joseph File, R. Samuel Joseph File, R. R. Samuel Joseph File	University Coorge washington		Doctor of Law 1000 Hungary	200.
Fields, Waam Herold Fields, Waam Herold Fields, Waam Herold File, Richard must Joseph File, Richard Turts College File, File, Casimir Anthony File, Popon, Joseph Stephen File, Richard D.C. File, Richard D.C. File, Richard Turts College File, Richard D.C. File, Ric	Fields, Thomas	1) ()	Fischer Noell Leroy	Md
Fields, Waam Herold Fields, Waam Herold Fields, Waam Herold File, Richard must Joseph File, Richard Turts College File, File, Casimir Anthony File, Popon, Joseph Stephen File, Richard D.C. File, Richard D.C. File, Richard Turts College File, Richard D.C. File, Ric	Fields, Victor	V. F.	Fischer, Paul Allan	
Fields, William Combin University Filadelfia, Samuel Joseph File, Richard Steward Gregory File, Rock George Evereti File, Goorge George Washington File, Antonico James File, And File, Carlo Fileber, Dark Elither, Ann. Katherine File, Antonico James File, Goorge Harrison Fileber, Lowell Edwin File, Lowersty File, Carlos Truman File, Lawersty File, Lowersty File, Lowe			A.B. 1914. A.M. 1940. The George	
Files, George Everent, Jr. Files, George Everent, Jr. B. S. 1043, Tutt College Filippes, Grain Goreph Filippes, Joseph Stephen Filippose, Joseph Stephen Filipot, Antonios James B. M.E. 1948, New York University Finder, Lowell Edwin Filipot, Antonios James B. M.E. 1948, New York University Finder, Lowell Edwin Filippes, Joseph Stephen Filiption, Antonios James B. M.E. 1948, New York University Finder, Lowell Edwin Filippes, Joseph Stephen Finder, More Grain Grain Finder, Market Glicist B. M.E. 1948, New York University Finder, Lowell Edwin Finder, Market Glicist B. M.E. 1948, New York University Finder, Lowell Edwin Finder, Market Glicist B. M.E. 1948, New York University Finder, Lowell Edwin Finder, Market Glicist B. M.E. 1948, New York University Finder, Lowell Edwin Finder, Market Glicist B. M.E. 1948, The George Washington Finders, Lowell Edwin Finders, Market Glicist B. M.E. 1948, The George Washington Finders, Lowell Edwin Finders, Market Glicist B. M. 1945, The George Washington Finders, Market Glicist B. M. 1945, The George Washington Finders, Lowell Edwin Finders, Market Glicist B. M. 1945, The George Washington Finders, Lowell Edwin Finders, Market Glicist B. M. 1945, The George Washington Finders, Lowell Edwin Finders, M.D. 1947, Texas Fisher, Hubert Wayne Fisher, Links Hubert Wayne F	A.M. 1936, Columbia University		Washington University	
Files, George Everent, Jr. Files, George Everent, Jr. B. S. 1043, Tutt College Filippes, Grain Goreph Filippes, Joseph Stephen Filippose, Joseph Stephen Filipot, Antonios James B. M.E. 1948, New York University Finder, Lowell Edwin Filipot, Antonios James B. M.E. 1948, New York University Finder, Lowell Edwin Filippes, Joseph Stephen Filiption, Antonios James B. M.E. 1948, New York University Finder, Lowell Edwin Filippes, Joseph Stephen Finder, More Grain Grain Finder, Market Glicist B. M.E. 1948, New York University Finder, Lowell Edwin Finder, Market Glicist B. M.E. 1948, New York University Finder, Lowell Edwin Finder, Market Glicist B. M.E. 1948, New York University Finder, Lowell Edwin Finder, Market Glicist B. M.E. 1948, New York University Finder, Lowell Edwin Finder, Market Glicist B. M.E. 1948, The George Washington Finders, Lowell Edwin Finders, Market Glicist B. M.E. 1948, The George Washington Finders, Lowell Edwin Finders, Market Glicist B. M. 1945, The George Washington Finders, Market Glicist B. M. 1945, The George Washington Finders, Lowell Edwin Finders, Market Glicist B. M. 1945, The George Washington Finders, Lowell Edwin Finders, Market Glicist B. M. 1945, The George Washington Finders, Lowell Edwin Finders, M.D. 1947, Texas Fisher, Hubert Wayne Fisher, Links Hubert Wayne F	File William Herold	Va.		Pa.
Files, George Everett, Jr. B. 1948, Personal Control of State Persona	File Dist. Samuel Joseph	D.C.		Va.
Filippone, Jean Joeph M. N. Y. Fisher, Dale Richard N. Y. Fisher, Derothy Anna Fisher, Line Kosina Fisher, Elize Rosina Fisher, Elize Rosina Fisher, Line Rosina Fisher, Hurthy Arthur A. B. 1943, Mest Virginia University Fisher, Hurthy Arthur A. B. 1943, Mest Virginia University Fisher, Hurthy Arthur A. B. 1943, Mest Virginia University Fisher, Hurthy Arthur A. B. 1943, Mest Virginia University Fisher, Hurthy Arthur A. B. 1943, Mest Virginia University Fisher, Hurthy Arthur A. B. 1943, Mest Virginia University Fisher, Hurthy Arthur A. B. 1943, Mest Virginia University Fisher, Hurthy Arthur A. B. 1943, Mest Virginia University Fisher, Line Rosina Fis	Files Chard Stewart, Jr.	\ a.	Fish, Joanne Margaret	D.C.
Filipowicz, Casimir Anthony Filipowas, Joseph Stephen NY Fisher, Don Lorenz III. N.D. Fisher, Elen Registra A.B. 1048, New York University Fisher, Edith Gramling D.C. Fisher, Elen Registra A.B. 1048, Temple University Fisher, Henry Arthur Fisher, Henry EstoRay Fisher, Henry Arthur A.B. 1048, Temple University Fisher, Henry EstoRay Fisher, Henry Arthur A.B. 1048, Temple University Fisher, Henry EstoRay Fisher, Henry Arthur A.B. 1048, Temple University Fisher, Henry EstoRay Fisher, Henry Arthur A.B. 1048, Temple University Fisher, Henry EstoRay Fisher, Henry Arthur A.B. 1048, Temple University Fisher, Henry Arthur A.B. 1048, The George Washington Fisher, Henry Arthur A.B. 1	Be Ocoune L'Actett	Md.	Fishbein, Seymour Leonard	N.Y.
Filippone, Fram I Joeeph Filippone, Fram I Joeeph Filippone, Fram I Joeeph Filippone, Fram I Joeeph Filippone, Pram I Joeeph Filippone, Dale Richard M.Y. Fisher, Dale Richard D.C. Fisher, Dorothy Anne Va. Fisher, Dorothy Anne Va. Fisher, Dorothy Anne Va. Fisher, Eline Rosina D.C. M.M. B. M.B. 1040, Purman University Fisher, Henry Arthur Fisher	Filipel Edward College		Fisher, Ann Katherine	Va.
Filippone, Frank Joseph Filippone, Frank Joseph Filippone, Stank Joseph Filippone, Stophen Filippone, Stophe	Filipowicz Cooking		Fisher, Barbara Ann	Va.
Filou, Antonios, Incept B.M.E., 1948. New York University Finamot, Joseph Rew Finamot, Ard Ernest Finamot, Art Firefinamot, Art Finamot, Art Fi	Filingona E-		Fisher, Carl William	Ohio
Filou, Antonios, Incept B.M.E., 1948. New York University Finamot, Joseph Rew Finamot, Ard Ernest Finamot, Art Firefinamot, Art Finamot, Art Fi	Filippone, loseph Stank	Mid.	Fisher, Dale Richard	
Financi, 1949, New York University Financi, Ardis Woodall Financi, Ardis Woodall Financi, Ardis Woodall Financi, Ardis Woodall Financi, Litabeth AB 1940, Furman University Finch, 1940, Johns Hopkins U.F. Particle Heart State Teachers Fincher, Julian Alexander AB 1943, The George Washington Finder, Julian Alexander AB 1943, The George Washington Finder, William Hisseph AB 1941, M.D. 1947. Texas Finchler, Milliam Hisseph AB 1942, Farmwille State Teachers Finellum, Solomonis Sulney Finder, Lardis Finellum, Solomonis Sulney Finder, Lardis Finellum, Solomonis Sulney Finder, Marten Eliroy BS 1942, Farmwille State Teachers Finellum, Solomonis Sulney Finder, Marten Eliroy BS 1943, Farmwille State Teachers Finellum, Solomonis Sulney Finder, Marten Eliroy BS 1943, Farmwille State Teachers Finellum, Solomonis Sulney Finder, Marten Eliroy BS 1943, Farmwille State Teachers Finellum, Solomonis Sulney Finder, Marten Eliroy BS 1943, Farmwille State Teachers Finellum, Solomonis Sulney Finder, Marten Eliroy BS 1943, Farmwille State Teachers Finellum, Solomonis Sulney Finder, Marten Eliroy BS 1943, Farmwille State Teachers Finellum, Solomonis Sulney Finder, Marten Eliroy BS 1944, Farmwille State Teachers Finellum, Solomonis Sulney Finder, Marten Eliroy BS 1945, Huntingdon College Lough, 1947, The George Washington Finellum, Solomonis Sulney	Filou Antani Stephen	7 3	Fisher December Anna	V.
Finch, Lowell Edwin B.M.E. 1940. Forman University Finch Lowell Edwin B.M.E. 1940. Johns Hopkins B.M.E. 1940. Johns Hopkins B.M.E. 1940. Johns Hopkins L.L.B. 1940. Temple University A.B. 1943. Temple University Finder, Julian Alexander A.B. 1941. Curversity of Lowa Findle, Wiltram Loseph A.B. 1941. Curversity of Lowa Findle, Wiltram Loseph A.B. 1942. Earnwille State Teachers Finker Lown Saul L. Finker, Warren Elicoy B.S. 1948. University of Wincomain A.B. 1943. Findle, Warren Fire Lower Elicoy Finker, Warren File College C. 1945. Huntingdon College C. 1945	B.M.E. 1948. New York Ilainesian		Fisher Edish Geamling	DC
Finch, Lowell Edwin B.M.E. 1940. Forman University Finch Lowell Edwin B.M.E. 1940. Johns Hopkins B.M.E. 1940. Johns Hopkins B.M.E. 1940. Johns Hopkins L.L.B. 1940. Temple University A.B. 1943. Temple University Finder, Julian Alexander A.B. 1941. Curversity of Lowa Findle, Wiltram Loseph A.B. 1941. Curversity of Lowa Findle, Wiltram Loseph A.B. 1942. Earnwille State Teachers Finker Lown Saul L. Finker, Warren Elicoy B.S. 1948. University of Wincomain A.B. 1943. Findle, Warren Fire Lower Elicoy Finker, Warren File College C. 1945. Huntingdon College C. 1945	rimiani, Joseph Ernest	DC	Fisher Flies Rosins	D.C.
A. B. 1940. Furman University Finch, Lowell Edwin Finch, Lowell Edwin B. M. E. 1940, Johns Hopkins University Fincher, Julian Alexansier A. B. 1948. The George Washington University Finders, Lee McLeish A. B. 1941. University of Iowa Findly, Karen Flizabeth Finders, Wiltam Jisseph A. B. 1941. University of Iowa Findly, Wiltam Jisseph A. B. 1941. University of Iowa Findly, Karen Flizabeth Finders, Wiltam Jisseph A. B. 1941. University of Iowa Findly, Karen Flizabeth Finders, Lower Mararoff Fineblum, Carl Mararoff Fineblum, Solumon Sidney Findly, Solumon Sidney Fine University Finders, Lower Mararoff Fineblum, Solumon Sidney Fink, Lailer Edmonds B. S. 1942. Eastwille State Teachers Finderstein, Saul L. B. S. 1948. University of Wincomain A. B. 1948. University of Wincomain A. B. 1949. University of Wincomain A. B. 1941. Wilters Homes Finders Truman Findly, Martin Red Compe Washington Finders, Wiltim Jisseph A. B. 1942. University of Wincomain A. B. 1948. University of Wincomain A. B. 1941. University of Wincomain A. B. 1941. University of Wincomain A. B. 1942. University of Wincomain A. B. 1945. Huntingdon College A. M. 1947. The George Washington University Fisher, Margaret Window Va. B. S. 1948. University of Wincomain A. B. 1949. University of Wincomain A. B. 1949. University of Wincomain A. B. 1949. University of Wincomain A. B. 1940. University O. C. A. M. 1945. Huntingdon College A. M. 1945. Huntingdon College A. M. 1945. Huntingdon College A. B. 1940. University O. C. A. M. 1945. Huntingdon College A. M. 1945. Huntingdon College A. B. 1940. University O. C. A. M. 1940. The George Washington Va. B. 1940. University O. C. A. M. 1940. The George Washington Va. B. 1940. University Fisher, Hone Redward Va. B. 1941. University O. C. A. M. 1940. The George Washington Va. B. 1941. University O. C. A. M. 1940. The George Washington Va. B. 1942. University O. C. A. M. 1943. The George Washington Va. B. 1942. University O. C. A. M. 1943. The George Washington Va. B. 1944. University O. C. A. M. 1945. Huntingdon Colle	Finamote, Ardis Woodall	N.D.	A.B. 1942. The George Washington	2.0.
Fisher, George Harrison Fisher, Henry Arbur B.M.E. 1940, Johns Hopkins University Fisher, Lydo, Johns Hopkins University Fisher, Lydo, Johns Hopkins University Fisher, Hubert Wayne A B 1948, Temple University Fisher, Hubert Wayne Fisher, Hubert Wayne Fisher, Hubert Wayne Fisher, Lydo, Johns Hopkins University A B 1948, Temple University Fisher, Hubert Wayne Fisher, Hubert Wayne Fisher, Hubert Wayne Fisher, Lydo, Johns Hopkins University A B 1941, University of Iowa Findley, Karen Flizabeth Findley, Karen Flizabeth A B 1941, University of Iowa Findley, Karen Flizabeth A B 1941, University of Iowa Findley, Karen Flizabeth Fisher, Hubert Wayne Fisher, Lames Whand A B 1941, University of Iowa Findley, Karen Flizabeth Fisher, Hubert Wayne Fisher, Lames Whand A B 1941, University of Iowa Fisher, James Whand Carolina Fisher, Lothe Edward Fisher, Lames Whand A B 1943, University of Iowa Fisher, Hubert Wayne Fisher, Lothe Floward Fisher, Hubert Wayne Fisher, George Harrison W.Va. A B 1943, West Virginia University Fisher, Kubert Varpe Fisher, Hubert Wayne Fisher, Lother Hubert Wayne Fisher, Lother Lother Fisher, Hubert Wayne Fisher, Hubert Wayne Fisher, Lother Lother Fisher, Hubert Wayne Fisher, Lother Lother Fisher, Hubert Wayne Fisher, Lother Lother Fisher, Hubert Wayne Fisher, Hubert Wayne Fisher, Lother Lother Fisher, Hubert Wayne Fisher, Hubert Wayne Fisher, Hubert Wayne Fisher, Hubert Wayne Fisher, Lother Lother Fisher, Lother Lother Fisher, Hubert Wayne Fisher, Lother Lubert Wayne Fisher, Lube	Inch. Elizabeth		University	
B.M. E. 1940. Johns Hopkins University LL. B. 1948. Temple University A. B. 1948. Temple University Fincher, Julian Alexander A. B. 1948. Temple University Fisher, Line Bleamard Fisher, Lames Bleamard Fisher, Hubert Wayne Fisher, Henry Lames Wuste Garchard Fisher, Hubert Wayne Fisher, Henry Lames Wuste Fisher, Hones the Hubert Wayne Fisher, Henry Lames Wuste Garchard Fisher, Hubert Wayne Fisher, Lames Bleamard Fisher, Hubert Wayne Fisher, Hones Lames Wuste Garchard Fi	Finch, 1940, Furman University		Fisher, George Harrison	Va.
B.M. E. 1940. Johns Hopkins University LL. B. 1948. Temple University A. B. 1948. Temple University Fincher, Julian Alexander A. B. 1948. Temple University Fisher, Line Bleamard Fisher, Lames Bleamard Fisher, Hubert Wayne Fisher, Henry Lames Wuste Garchard Fisher, Hubert Wayne Fisher, Henry Lames Wuste Fisher, Hones the Hubert Wayne Fisher, Henry Lames Wuste Garchard Fisher, Hubert Wayne Fisher, Lames Bleamard Fisher, Hubert Wayne Fisher, Hones Lames Wuste Garchard Fi	Finch Well Edwin	DC.	Fisher, Henry Arthur	W.Va.
Fincher, Julian Alexander AB. 1948. Temple University Finders, Lee McLeish AB. 1948. Inversity of Iowa Finders, Lee McLeish AB. 1944. University of Iowa Findley, Katen Flischeth AB. 1944. M.D. 1947. Texas Findling, Salon Mazaroff Finders, Louise Finder	B.M.R. Gilcrist	Md.	AB 1941 West Virginia University	
Fincher, Julian Alexander AB. 1948. Temple University Finders, Lee McLeish AB. 1948. Inversity of Iowa Finders, Lee McLeish AB. 1944. University of Iowa Findley, Katen Flischeth AB. 1944. M.D. 1947. Texas Findling, Salon Mazaroff Finders, Louise Finder	University Johns Hopkins		Fisher, Henry Estokge	La.
Finders, Lee McLeish A B 1941, M.D. 1947. Texas Findling, Karten Flicabeth Findley, William Isseph A B 1941, M.D. 1947. Texas Fineblum, Carl Mararoff Fineblum, Carl Mararoff Fineblum, Solomon Sidney Fink, Lillian Edmonds B S 1942. Farmville State Teachers Fineblum, Solomon Sidney Fink, Lillian Edmonds B S 1943. Farmville State Teachers College Fink, Lailian Edmonds B S 1943. Farmville State Teachers Finkelstein, Saul L. Fineen, Warten Elitoy B S. 1948. University of Wincomain A.B. 1945. Huntingdon College Finkelstein, Saul L. Finken, Warten Elitoy Finkelstein, Saul L. Finken, Warten Elitoy B S. 1945. Huntingdon College Finkelstein, Saul L. Finken, Warten Elitoy Finkelstein, Warten Elitoy Fisher, Kurt Fritz Fisher, Kurt Fritz Fisher, Murtingdon Fisher, Marken Fitze Fisher, Marken Fitze Fisher, Marken Fitze Fisher, Marken Fitze Fisher, Lumes George Washington Va. A B 1945. Huntingdon College Fisher, Marken Fitze Fisher, Lumes George Washington Va. A B 1945. Huntingdon College Fisher, Marken Fitze Fisher, Lumes George Washington Va. A B 1945. The George Washington Va. B 1945. Huntingdon College Fisher, Marken Fitze Fisher, Lumes Becaused Va. A B 1945. Huntiversity of Va. Fisher, Marken James Va. B 1945. Huntingdon College Fisher, Marken Luman Va. B 1945. Huntingdon College Fisher, Marken James Va. B 1945. Huntingdon College Fisher, Lumes James Washington Va. B 1945. Huntingdon College Fisher, Lumes James James James Va. B 1945. Huntingdon College Fisher, Lumes James J	I.I. B 0		Fisher, Hubert Wayne	Pa.
Finders, Lee McLeish A B 1941, M.D. 1947. Texas Findling, Karten Flicabeth Findley, William Isseph A B 1941, M.D. 1947. Texas Fineblum, Carl Mararoff Fineblum, Carl Mararoff Fineblum, Solomon Sidney Fink, Lillian Edmonds B S 1942. Farmville State Teachers Fineblum, Solomon Sidney Fink, Lillian Edmonds B S 1943. Farmville State Teachers College Fink, Lailian Edmonds B S 1943. Farmville State Teachers Finkelstein, Saul L. Fineen, Warten Elitoy B S. 1948. University of Wincomain A.B. 1945. Huntingdon College Finkelstein, Saul L. Finken, Warten Elitoy Finkelstein, Saul L. Finken, Warten Elitoy B S. 1945. Huntingdon College Finkelstein, Saul L. Finken, Warten Elitoy Finkelstein, Warten Elitoy Fisher, Kurt Fritz Fisher, Kurt Fritz Fisher, Murtingdon Fisher, Marken Fitze Fisher, Marken Fitze Fisher, Marken Fitze Fisher, Marken Fitze Fisher, Lumes George Washington Va. A B 1945. Huntingdon College Fisher, Marken Fitze Fisher, Lumes George Washington Va. A B 1945. Huntingdon College Fisher, Marken Fitze Fisher, Lumes George Washington Va. A B 1945. The George Washington Va. B 1945. Huntingdon College Fisher, Marken Fitze Fisher, Lumes Becaused Va. A B 1945. Huntiversity of Va. Fisher, Marken James Va. B 1945. Huntingdon College Fisher, Marken Luman Va. B 1945. Huntingdon College Fisher, Marken James Va. B 1945. Huntingdon College Fisher, Lumes James Washington Va. B 1945. Huntingdon College Fisher, Lumes James James James Va. B 1945. Huntingdon College Fisher, Lumes James J	Fincher, Julian Almple University		Fisher, Ira Philip, Ir	Pa.
Eniversity Finders, Lee McLeish A B 1941, University of Iowa Findley, Naten Flizabeth Findley, William Ioseph AB 1941, Ind.D, 1947, Texas Fineblum, Solomon Sidney Fisher, Kurt Fritz Fis		Md.	A.B. 1946, Colcate University	*** **
Findlay, Karen Flirabeth AB 1941, University of Iowa Findlay, Karen Flirabeth AB 1941, M.D. 1947. Texas Findlay, Karen Flirabeth AB 1941, M.D. 1947. Texas Finchlum, Carl Mazaroff Findlay, Solomon Sidney Fink Julian Findlay, Karen Flirabeth AB 1941, M.D. 1947. Texas Finchlum, Carl Mazaroff Finchlum, Solomon Sidney Fink Julian Fink Julian Fink Julian Fink Julian Fink Julian Fink Julian Fink John Stewart Finker, Marianter Wishington AB 1945, Huntingdon College Fink John Stewart Finlay, John Stewart Finlay, John Stewart Finlay, John Stewart Finlay, John Stewart Finker, Marianter Washington Finlay, John Stewart Finker, Marianter Washington Finker, John Stewart Finker, Marianter Washington Finker, John Stewart Finker, Marianter Washington Finker, Marianter Washington Finker, John Stewart Fisher, Marianter Washington Fisher	The George Washington		histor, James Bernard	
Findlay, Maren Flizabeth Findley, William Jaseph AB 1941, M.D. 1947. Texas Fineblum, Solomon Sidney Fink, Jules Fi	- muera. Lan hit. t	v	Fisher, James Wam	2.6
A B 1941, M.D. 1947. Texas Fineblym. Carl Mazzaroff Fineblym. Solomon Sidney Fink Julian Edmonds BS 1947, Farmville State Teachers College Finkerien, Saul L. Finker, Marten Edroy BS, 1948, University of Wincomain A.B. 1945, Huntingdon College A.M. 1947. The George Washington Linversity Fisher, Mart Fritz Fisher, Mart Fritz Fisher, Mart Invise A.B. 1945, Huntingdon College A.M. 1947. The George Washington Linversity Fisher Marten Edroy Linversity Fisher Mart Invise A.B. 1945, Huntingdon College A.M. 1947. The George Washington Linversity Fisher Marten Steed College Linversity Fisher Marten Steed College A.M. 1948. Huntingdon College A.M. 1948. The George Washington Linversity Fisher Marten Steed Fleanor Fisher Robert E-lwa A.B. 1945, Huntingdon College A.M. 1947. The George Washington Linversity Fisher Marten Steed Fleanor Fisher	E. B. 1941. University of Law	Town	B.S. 1947, University of South	
Fineblum, Carl Mazaroff Fineblum, Solomon Sidney Fisher, Fireblum, Solomon Sidne	Findley, Karen Flizabeth	Da	Fisher John Edward	DC
Fineblum, Carl Mazaroff Fineblum, Solomon Sidney Fisher, Fireblum, Solomon Sidne	A p. William Juseph	Wash	Fuber loto H	
Fineblym, Carl Mazaroff Finebl	1. 1941, M.D. 1047 Terre	AA NEUT.	Do tot of Laws 1011. University of	
Fink, Lallan Edmonds BS 1947, Farmville State Teachers College Finkelytein, Saul L. Finken, Warren Elroy BS, 1948, University of Wincomsin AB, 1945, Huntingdon College L. 1948, University of Wincomsin AB, 1945, Huntingdon College L. 1947, The George Washington Finlay, Ishelen King Time Career L. 1947, The George Washington Finne, James Career Fisher Maren Elway Fisher Maren Louise BS 1948, University of Wincomsin AB, 1945, Huntingdon College L. 1947, The George Washington Fisher Maren Louise Fisher Maren Louise BS 1948, University of Wincomsin AB, 1945, Huntingdon College L. 1947, The George Washington Fisher Maren Louise Fisher Maren Louise BS 1948, University of Michigan Fisher Maren Louise Fisher Maren Louise BS 1948, University of Michigan Fisher Maren Fisher Maren Fisher Maren BS 1948, University of Michigan Fisher Maren	Fineblum			
Fink, Lallan Edmonds BS 1947, Farmville State Teachers College Finkelytein, Saul L. Finken, Warren Elroy BS, 1948, University of Wincomsin AB, 1945, Huntingdon College L. 1948, University of Wincomsin AB, 1945, Huntingdon College L. 1947, The George Washington Finlay, Ishelen King Time Career L. 1947, The George Washington Finne, James Career Fisher Maren Elway Fisher Maren Louise BS 1948, University of Wincomsin AB, 1945, Huntingdon College L. 1947, The George Washington Fisher Maren Louise Fisher Maren Louise BS 1948, University of Wincomsin AB, 1945, Huntingdon College L. 1947, The George Washington Fisher Maren Louise Fisher Maren Louise BS 1948, University of Michigan Fisher Maren Louise Fisher Maren Louise BS 1948, University of Michigan Fisher Maren Fisher Maren Fisher Maren BS 1948, University of Michigan Fisher Maren	Fineblum Carl Mazaroff	DC.	Fisher, Joseph Lyman	Va.
Finken, Saul L. Finken, Warren Elroy B.S. 1948, University of Wincomain A.B. 1948, Huntingdon College C. 1947. The George Washington Va. Linday, Indeen King A.B. 1948, Huntingdon College C. 1947. The George Washington Va. Finlar, Idna Stewart Finlar, Idna Stewart Finlar, Idna Stewart Finlar, Robert Tuman Finna, Robert Wilson Finna, Robert Tuman Mich. Finna, Robert Misson Finna, Inha Carberine Pa. Fincell, Albert Tuman B.S. Justa United States Naval Academy Finney, Charles Narber Finney, Charles Narber Finney, Robert Ross D.C. Finney, Robert Ros	Fink, Itales	Md.	BS 1915, Bondom College	
Finken, Saul L. Finken, Warren Elroy B.S. 1948, University of Wincomain A.B. 1948, Huntingdon College C. 1947. The George Washington Va. Linday, Indeen King A.B. 1948, Huntingdon College C. 1947. The George Washington Va. Finlar, Idna Stewart Finlar, Idna Stewart Finlar, Idna Stewart Finlar, Robert Tuman Finna, Robert Wilson Finna, Robert Tuman Mich. Finna, Robert Misson Finna, Inha Carberine Pa. Fincell, Albert Tuman B.S. Justa United States Naval Academy Finney, Charles Narber Finney, Charles Narber Finney, Robert Ross D.C. Finney, Robert Ros	Fink, Lillian E.		A.M. 1918, Ph.D. 1947, Harvard	
Finken, Saul L. Finken, Warren Elroy B.S. 1948, University of Wincomain A.B. 1948, Huntingdon College C. 1947. The George Washington Va. Linday, Indeen King A.B. 1948, Huntingdon College C. 1947. The George Washington Va. Finlar, Idna Stewart Finlar, Idna Stewart Finlar, Idna Stewart Finlar, Robert Tuman Finna, Robert Wilson Finna, Robert Tuman Mich. Finna, Robert Misson Finna, Inha Carberine Pa. Fincell, Albert Tuman B.S. Justa United States Naval Academy Finney, Charles Narber Finney, Charles Narber Finney, Robert Ross D.C. Finney, Robert Ros	BS Lucz E	Va.		
Finken, Saul L. Finken, Warren Elroy B.S. 1948, University of Wincomain A.B. 1948, Huntingdon College C. 1947. The George Washington Va. Linday, Indeen King A.B. 1948, Huntingdon College C. 1947. The George Washington Va. Finlar, Idna Stewart Finlar, Idna Stewart Finlar, Idna Stewart Finlar, Robert Tuman Finna, Robert Wilson Finna, Robert Tuman Mich. Finna, Robert Misson Finna, Inha Carberine Pa. Fincell, Albert Tuman B.S. Justa United States Naval Academy Finney, Charles Narber Finney, Charles Narber Finney, Robert Ross D.C. Finney, Robert Ros	College Carmville State Teachers		Fisher, Kurt Fritz	
B.S. 1948. University of Wisconsin Finlay, bleien King A.B. 1948. Huntingdon College A.M. 1947. The George Washinston Finlay Islan Stewart Finlay Islan Stewart Finlay Islan Stewart Finlay Islan Stewart Finn John Wilcome Finn James Circy Mich. Fisher Mary Islan Stewart Mich. Fisher Thomas Warren Fisher Thomas Warren Fisher Thomas Warren Mich. Fisher Thomas Warren Fisher Thomas Warren Fisher Thomas Warren Fisher Thomas Warren Mich. Fisher Thomas Warren Fisher Thomas Warren Fisher Thomas Warren Fisher Thomas Warren Mich. Fisher Thomas Warren Fisher Rubert Fisher B.S 1935 (Lurversity of Michigan Mid. Fisher Thomas Warren Fis	4 III kales a		Fisher, Margaret Winslow	1.2.
Finally, belief King A.B. 1945, Huntingdon College A.M. 1947. The George Washington Fisher Miles Charles Truman Finally Iohn Stewart Finally Iohn Stewart Finally Iohn Stewart Finally Iohn Stewart Fisher Thomas Warsen Fisher Thomas Warsen Fisher Thomas Warsen Md. Fisher Thomas Warsen Md. Fisher Thomas Warsen Fisher Thomas Warsen Md. Fisher Thomas Warsen Md. Fisher Thomas Warsen Fisher Thomas Warsen Md. Fisher Thomas Warsen Md. Fisher Thomas Warsen Fisher Thomas Warsen Md. Fisher Thomas Warsen Md. Fisher Thomas Warsen Fisher Thomas Warsen Fisher Anna Rebeka A	B. Warren Flrow	N. A.	A B 1941 Reed College	87
A.B. 1945. Huntingdon College C. 1947. The George Washington Finlay Iohn Stewart Finlay Iohn Stewart Finn James Circy Finn James Circy Finn James Circy Finn John William Finn Robert W. 1566 Finn Robert W. 1566 Finn Robert W. 1566 Finn Robert W. 1566 Finneran, Ioha Carberine Finn Robert W. 1566 Finneran, Ioha Carberine Finn Robert W. 1566 Finneran, Ioha Carberine Finnell Marshyn Y. vonne Finnell Marshyn Y. vonne Finnell Marshyn Y. vonne Finnery, Charles Narber Finnery, Charles Narber Finnery, Robert Ross D. C. Fire Paul Norman Fitte Robert Alward D. C. Fire Paul Norman Fitte Robert Five Robert Fi	Find. 1948, University of Mr.	D.C.	Fisher, Mar lonise	Ira.
Finlay, Iohn Stewart Forestee Charles Truman Forestee Charles Forestee	Wiscomsin	5.7	AB 1946. The George Washington	
Finlay, Iohn Stewart Forestee Charles Truman Forestee Charles Forestee	AM 1945, Huntingdon College	13.	E de Milled Blance	1.0
Finlay, Iohn Stewart Forestee Charles Truman Forestee Charles Forestee	17. 1947. The George Washington		Fisher D has F has	DC
Finn John William Finn Robert W. Hood Finn W. Robert Ross Finn W. Robert Ross Finn Robert R	Piplan Li		RSE Last L'esperante of Michigan	
Finn John William Finn Robert W. Hood Finn W. Robert Ross Finn W. Robert Ross Finn Robert R	Finite Chail Stewart	1'4	Fisher Thomas Warren	Md
Finh John William Finh Robert Wilson Finh Robert Thomas Mass Fish Harry John Mid- Fish Harry John Mid- Mid- Fish Harry John Mid- Mid- Fish Harry John Mi			FIRE Roma Methelia	
Fine Robert W. Hood Fine Robert W. Hood Fine Roan, I with a Carberine Fine Roan Harvey I won a B. Hood Robert Annual Fitten Robert Annual Fitten Robert Annual B. Hood Robert Annual Fitten Robert Annual Fitten Robert Annual Fitten Robert Annual Fitten Robert Annual B. Hood Robert Annual Fitten Robert Annual B. Hood Robert Annual B.	Tha John W.H		Fitch Charles Thomas	Md.
Finel Ment Tromas Panell Donald Felward Finnel Manlyn Y vonne Finney Manlyn Y vonne Finney Robert Ross Finney Robert Ross DC Finney Robert Ross NY Finney Robert Ross DC Finney Robert Ross NY Finney Robert Ross DC Finney Ross DC Finney Robert Ross NY Finney Robert Ross DC Finney Robert Ross NY Finney Robert Ross DC Finney Robert Ross DC Finney Robert Ross NY Finney Robert	Tibe D . Tristian		E.t. Daris Jean	DC
Finel Ment Tromas Panell Donald Felward Finnel Manlyn Y vonne Finney Manlyn Y vonne Finney Robert Ross Finney Robert Ross DC Finney Robert Ross NY Finney Robert Ross DC Finney Robert Ross NY Finney Robert Ross DC Finney Ross DC Finney Robert Ross NY Finney Robert Finney Robert	Pintegan, July Cool	Mass	Fitch, Harry John	Ald.
Donald Edward D.C.	F Albert Thatte	Pa.	Fitch Robert Atwood	1,3
Finney, Charles Narber Finney Robert Ross Finney Robert Ross Formal Rayer Formal Rayer Formal Ross Formal Rayer Formal Ross	Final Donald Fitners	12.		
Finney, Charles Narber Finney Robert Ross Finney Robert Ross Formal Rayer Formal Rayer Formal Ross Formal Rayer Formal Ross	Finell, Marlyn Valley	DC		-
Finney, Charles Narber Finney Robert Ross Finney Robert Ross Formal Rayer Formal Rayer Formal Ross Formal Rayer Formal Ross	Re Ambrey Cornell	111		DC
Finance Robert Sawveer Any Fitzer's Carber of Germaine With Polick Leon Peter ND Fitzer's Conn. Fitzer's Carber of Germaine D.C. Fitzer's Conn. Fitzer's Con	Finner Co. Chivernity of Non 24	Va.	fites Edward Monzo	
Finance Robert Sawveer Any Fitzer's Carber of Germaine With Polick Leon Peter ND Fitzer's Conn. Fitzer's Carber of Germaine D.C. Fitzer's Conn. Fitzer's Con	Finney Darles Narber of New Mexico	500	fitten, Cyrus La coner	
Findel Owen Moum Polek Lasob Peter Porcella Geroldone Yolanda Finsh Peter Herresheimer BS 1011, Drenel Institute of Tech- Firshel, Paul Finanuel Va. Firspatial Donald Fiward DC N Conn. Firshead Paul Donald Fiward DC Firshead Paul Albert N Y. Firshead Paul Finanuel Va. Firshead Donald Savre N Y. Firshead Donald Donald Savre N Y. Firshead Dona	Fibnes Ross		Francis Cathagas Commiss	Wis.
BS 1941, Deter Hergesheimer DC Fitzschbon, Donald Savre N.Y. BS 1941, Dezzel Institute of Tech- Fitzschbon, Lames Raymond Fitzsch Edward Lee Jr. Md Fitzsch Della Manie DC Fitzsch Della Manie DC Fitzsch Della Manie DC Fitzsch Edward Lemes	Postad Owners Sawyer	Acre	Estages 1 Doy 1 1 1 was 1	DC
BS 1941, Deter Hergesheimer DC Fitzschbon, Donald Savre N.Y. BS 1941, Dezzel Institute of Tech- Fitzschbon, Lames Raymond Fitzsch Edward Lee Jr. Md Fitzsch Della Manie DC Fitzsch Della Manie DC Fitzsch Della Manie DC Fitzsch Edward Lemes	Prolek, Jacob Par	1. D	Expended Ind Property	1. C.
BS 1941, Deter Hergesheimer DC Fitzschbon, Donald Savre N.Y. BS 1941, Dezzel Institute of Tech- Fitzschbon, Lames Raymond Fitzsch Edward Lee Jr. Md Fitzsch Della Manie DC Fitzsch Della Manie DC Fitzsch Della Manie DC Fitzsch Edward Lemes	E amonti Mar Cl		Fitzgerald Paul Albert	1.1.
BS 1941, Deter Hergesheimer DC Fitzschbon, Donald Savre N.Y. BS 1941, Dezzel Institute of Tech- Fitzschbon, Lames Raymond Fitzsch Edward Lee Jr. Md Fitzsch Della Manie DC Fitzsch Della Manie DC Fitzsch Della Manie DC Fitzsch Edward Lemes	Frelle Geraldung Visir	DC	BS 1911 IL B 1016, St. Johns	
B.S. 1011. Peter Herresheimer Va. Fitze door Donald Savre V. Fitze door Don	First bacher, Frederick C.	Much	I'n verury	
Firsh Felward Fenery Finchel, Paul Emanuel Va. Firsh sh Howard Lee Jr. Md Fitzbarrock Del a Marie DC Fitzbarrock Edward Iames		DC	Fitzg-bline Donald Savre	7. 1.
Firth, Edward Fmery Fischel, Paul Fmanuel Va. Fitzpatrick Del's Marie D.C.	1911, Drevel I.	Va.	First Shoot Tames Raymond	
Fischel, Paul Finanuel Va. Fitzpatrick Edward Lames DC	First C. Tach.		Fitzh-ph Howard Lee Jr.	
- inapatrica Lower Campo	Fischel Dard Fmery	2.4	Fitzpatrick Del a Marie	
D.C. Fitzpatrick, George Ruddell Pa.	aul Emanuel		Fitzpatrick Edward lames	
		DC.	Fitzpatrick, George Ruddell	Pa.

Fitzpatrick, June	Va.	Florence, John Williams	Wash.
Fitzpatrick, Thomas Joseph Fitzsimons, James William	Conn.	B.S. 1934, United States Naval	
Fitzsimons, James William	N.Y.	Academy	Kans-
D.M.E. 1942, Polytechine Institute		Flores, Erminia	
of Brooklyn	D.C.	A R 10.8 University of Kanasa City	,
Fitzwilliams, Jeannette Mary	D.C.	Flores, Paul S. A.B. 1948, University of Kansas City Flounders, Mary Hall	Pa.
A.B. 1934, Vassar College Flack, Chester	Va.	A.B. 1948, Radcliffe College Flournoy, Wilma Jean Flowers, Alonzo Marshall	
Flaherty, Willard Roger, Jr.	Va.	Flournoy, Wilma Jean	Mo.
Fishe Howard (Ime	Ark.	Flowers, Alonzo Marshall	Va.
Flakowicz, Karol Flanagan, Bernard Lawrence Flanagan, Francis James R. Ch. Lawrence Catholic University	N.Y.	Plowers Carl Vincent	Mich.
Flanagan, Bernard Lawrence	Utah	Flovo, Charles Howard	D.C.
Flanagan, Francis James	D.C.	Floyd, Herman High, Jr.	Mo
B.Ch.E. 1938, Catholic University	of Sci	Floyd, John Phillip	Mo.
of America	D.C.	Floyd, Percy Mellor, Jr. Fluger, Alvin	N.Y.
Flanagan, Winifred Winsor	D.C.	RMF tour College of the City of	1
A.B. 1046. The George Washington		B.M.E. 1947, College of the City of New York	- 0
Flanders, Robert Lee	Tex.	Flynn, Alfred Filer, Jr.	Phi-
A.B. 1946, The George Washington		Flynn, Joseph John Flynn, Laurence Brenden Flynn, Lyman Paul	Ohio N.Y.
I in internal to		Flynn, Laurence Brenden	D.C.
Flannery, Joseph Patrick	D.C.	Flynn, Lyman Paul	2.0.
Flannery, Ioseph Patrick Flatford, Faye Evelyn Flather, Alfred Chester, Jr.	Okla.	B.S. in Ed. 1934, State Teachers College, Oshkosh, Wie, Flynn, Paul Chadwick	
Flather, Alfred Chester, Jr.	D.C. Md.	College, Oshkosh, Wis,	Pa-
Flato, Matthew	Md.	Flynn, Winifred Judith A.B. 1949, Albertus Magnus College Fochios, Steve Evangelos Foeller, Paul Francis Foerster, Herbert G. Foerster, Herbert G. Foerster, Vanles Francis Fogarty, Charles Francis Fogel, Geraldine Francis Fogel, Geraldine Francis	Cons.
Flaz, Leonard Harold	D.C.	A R roas Albertus Magnus College	- 43
Flax, Louis B.S. 1943, University of Maryland	W	Forhing Steve Evangelos	Md.
B.S. 1943, University of many and	N.Y.	Foeller Paul Francia	Wis. D.C.
Flax, Miriam Audrey	Mich.	Foerster, Herbert G.	Pa.
Flechel, Kurt Otto	Pa.	Foerster, Mary Agnes	D.C.
Flecknoe, Harold Joseph Fleetwood, George Harlan	Del.	Fogarty, Charles Francis	D.C. D.C.
Fleischhaker, Albert	D.C.	Fogel, Geraldine Frances	D.C.
REE 1040 College of the City		I Official off the treatment	D.C.
B.E.E. 1940, College of the City of New York		Foglia, Louis Anthony	D.C.
Fleischman, Ruth	D.C.	Fognano, Carmin Oscar	
Fleishell, William Sheldon	D.C.	B.S. 1934. Temple University Foldenauer, Robert Carl	D.C.
Fleisher, Eric Wilfred	D.C.	Foldenauer, Robert Carl	Va.
Fleishman, Irving	D.C.	Foley, Annette Haworth	
Fleming, Edward John	Pa.	B.S. 1948, Wilson Teachers College Foley, George Vincent	D.C. N.Y.
Floring Edward Techings	Va.	Foley, George Vincent	10.0
Fleming, Gerald Richard, Jr. Fleming, Hazel Marion	D.C.	Foley, Michael Edward	D.C. D.C.
Fleming, Hazel Marion	D.C.	Foley, Thomas Emmett	D.C.
Fleming, Lester LeRoy .	D.C.	Foley, Walter Allen	Mo.
Fleshman, Willred Edwin	Calif.	Foley, William John	-
Fletcher, Bennie Lyle, Jr.	Va.	Foley, George Vintens, Foley, Michael Edward Foley, Michael Edward Foley, Walter Allen Foley, William John B.S. in M.E. 1948, Missouri School	
Fletcher, Darrell Wade	Md.	Of Districts	17.00
Fletcher, Gordon Arthur	Vt	Follman, Arthur Usher	Fla.
Fletcher, Lloyd Lee	D.C.	Folse, Kenneth Hemke	D.C.
Fletcher, Lloyd Lee Fletcher, Maurice Clinton	Va.	Folsom, Dee Elwood	NV
Flexer, Morton	N.Y.	B.S. 1948, Wilson Teachers College Foltz, John Frederick	N.Y.
Flick, Chester Eugene	D.C.	Forespee Lucille Pix	
Flieger, Howard Wentworth, Jr.	Md.	Foncannon, Lucille Riz A.B. 1941, Western Michigan College of Education Puerl	B
Flinchu, Walter Madison	Va.	of Education	o Rico
Fling, Gloria Katherine	D.C.	Font, Manuel Antonio	Va.
Fling, Martha Kathryn	Ga.	Fontaine, Guy Edward	p.C.
Fling, Richard Benjamin	D.C.		
Flinn, Samuel Roy Flint, Delbert Harrison	W.Va.	B.S. 1037. College of the City of New York	
Flint, Delbert Harrison	W.Va.	New York	Mont
A.B. 1934, Salem College		Foor, Milton Arlo	
A.B. 1934, Salem College Flint, Eather Rolig	D.C.	A.B. 1947, University of Southern California	Calif.
Flint, George M.	Mass.	California	Calli.
A.B. 1940, Harvard University		Foote, Richard Harold	D.C.
LL.B. 1048. The George Washington	1	Foote, Richard Harold Foote, Vernon Stuart, Jr.	D.C.
University	9975		Va.
Flise, Richard Konrad	Win.	A.B. 1044, Trinity College Forbes, John Terence	D.C.
Flizanes, John	D.C.	Farbush Constance Winthrop	Md.
Flood, Robert Edmund	Md.	Forbush, Constance Winthrop Forcum, James Evans	W Va.
Flood, Thomas Hayes B.S. in Ed. 1936, Buffalo State	D.C.	Ford, Evelyn Jean	N.J.
Teachers College		Ford, John Joseph	
- comes conse		· or e Jenn Jersy.	

F 1			
Ford Virginia Glass	D.C.	Fox, John Francis	D.C.
	D.C.	Fox, John Robert Fox, Lawrence	D.C.
	Va.	Fox, Lawrence	N.Y.
B.S. 1947. Dickinson College		A.D. 1944. CHIE URIVERSITY	
Foreman, Mary Ann Forester, Joseph Flywood	D.C.	M.S. 1945, Syracuse University	_
Forester January Ann	Va.	Fox, Lillie Belle	Tex.
Forey Williams	Va.	Fox, Margaret Helen	D.C.
Forester, Joseph Elwood Forey, William James	Va.	Fox, Ray Paul	Pa.
A.B. Total Call A. A. A.	Va.	A.B. 1942. Pennsylvania State Colle	N.Y.
New York Forman, Leonard		Fox, Saul Aaron	
	NW	Fox, Sylvia C. A.B. 1934. University of Utah	Va.
BS. 1940. College of the Colon of	N.Y.	Fox. William Allan	Va.
BS, 1940. College of the City of New York Forman, William Marion Fornal, Theodore A.B., 1948, The George Washington		Fraher Joseph Drew	DC
Forman, William Marion	W.Va.	Fraher, Joseph Drew Frahm, Herbert Standish	D.C.
rornal. Theodore	N.J.	Frahm William Ir	D.C.
A.B. 1948. The George Washington University	24.3.	Frahm, William, Jr. Frakes, William Robert	III.
I Distance of the second of th		Frallic, John Eugene	D.C.
Forney, Edward Hanna	Md.	Frampton, James Elsworth	Ind.
		France, James Arthur	N.Y.
Academy States Naval		A.B. 1932. Houghton College	
A R	N.Y.	M.S. in Ed. 1940, University of	
Forest, Herbert Emerson A.B. 1948, The George Washington University		Buffalo	
		France, Sarah Catherine	Mo.
Forrester, Robert Dwight Forsberg, Frances Change	Conn.	A.B. 1930, University of Missouri B.S. in L.S. 1940, Columbia	
Forsher, Frances Chandler	D.C.	B.S. in L.S. 1940, Columbia	
Foraht Camandian	Pa.	University	Va.
Forster, Eric Bert	D.C.	Francia, Clifford Dale	Va.
Forsyth, Paul Eugene	D.C.	Francis, Lewis Watkins B.S. in B.A. 1943. University of	VA.
Forsythe, Frederick Walter, Jr.	Pa. Md.	Missouri	
Fort, Anna Beulah	D.C.	Francis, Mary Jane	Va.
For 1 1944, Wilson Teachers College	D.C.	Francis, Milton John	D.C.
B.S. 1944, Wilson Teachers College Fort, James Frazier Fortinberry, George Kellie, Je	Tenn.	Francia William McCafferty	Va.
Fortner, Bernard Semple Fortney, Gorden	D.C	Francis, William McCafferty Franck, Roger Edward	Mass.
Fortney, Gordon	D.C.	Frank, Arnold Roy	Md.
Fortuge Aldon	Va.	A.B. 1926. A.M. 1928, Johns Hopkin	15
Fortuge, Gordon Fortuge, Alfred Eugene Fortune, William Charles Forward, Myron Hal Fosmark, Stephen Douglas	N.J.	University	
Forward Manage Charles	14.6	Frank, Clay Farrar	Va.
Fosmark Stephen 12	Va.	Frank, Jean Lucille	D.C.
Fosmark, Stephen Douglas	Va.	Frank Kitty Diam	D.C.
For Williams Walletter College		A.B. 1943. University of Wisconsin	
A.B. 1935. Macalester College Foss, Willard Emmons, Jr. A.R. Earl, Jr.	Va.	Frank, Phyllis Maureen	DC
A.B. love TY D	Okla.	Frank, Robert Berliner	D.C.
University 1946, Oklahoma Cit	ty	A.B. 1940, University of North	
		Carolina	70.7
University Poster El		Frank, Rose Mandalene	R.I.
Poster, Elizabeth Jane	Ohio	Frankel, Abraham	14.1.
Foster, George Howard	D.C.	B S 1011, Brooklyn College	
	D.C.	B M.F. 1941 Cooper Union College	D.C.
Academy Foster, James Buck Foster, James Patrick Foster, Games Patrick Foster, Marion Julian		Frankel, Josef Hirsh	Va.
Foster, James Buck	Md.	Franklin, Jordan	Mass.
Poster Patrick	D.C.	B.S. 1946. Worcester Polytechnic	
Foster, Marian 7 11	Va.	Institute	
	Va.	Franklin, Joseph Gardner	Md.
Foster, Robert Russell Foster, Stafford Clark		A.B. 1048. The George Washington	
Foster, Stafford Clark B.S. 1948, Heisen	Ohio	University	
B.S. 1948, Linimais	D.C.	Franklin, Marvio	Md
B.S. 1948, University of North		Franklin, Nancy	D.C.
Poster, Sylvia Elizabeth Foster, William Hecker Fotouhi, Abol Fari		Franklin, Philip Earle	D.C.
Forest William Heckes	Va.	Franklin Ruf is Matteson	R.I
Fotouhi, Abol Farl	D.C D.C	BS 1947 Massachusetts Institute of Technology	
Four Pames Edwin	D.C	Technology -	DC
Fouch, James Edwin Foust, Betty Jean Foutz, Ledie Robert Fowler, George Clines	V _a	Franks Duco	D.C.
Fowler Cobert	D.C D.C	Franks R hard Sterling Franz, William Charles, Jr.	N.I D.C
B.S. Jourge Clinton, Jr.	D.C.	Frank, William Charles, Jr.	Va_
Fowler Issain Georgetown University	D.C.	Franzman, Carl Walter	Md
owler. John W.	D.C	France, Donald Brix	Ohio
Fowler, John Wesley Towler, John Wesley Towler, John Wesley Towler, John Wesley	Md.	France, Donald Rose	Mich.
Fowler, John Wesley Fowler, Thomas Fox, Edward Louis	D.C.	Frater, George Roderick Fratkin, Rayleona	D.C
TOUR LOUIS	Okla	Fratt, Nicholas Diller	D.C
	ORIZ	TIME, THEODING DINE	2.0

V 1 A A	D.C.	Freyeisen, Rudolf Charles	Md
Frawley, Agnes Ann Freas, William John, Jr.	D.C.	Francisk Arthur Inline	Md
	D.L.	B.S. 1942, Muhlenberg College Friaul, Helen Cox A.B. 1947, The George Washington	Va
Fredericks, John Rampariekan British	Guiana	Friaul, Helen Cox	
Fredlund, Robert Richard	Va. Okla.	University	
Fredricks, Ilet Henry Fredricks, Robert Emmett	N.D.	Frick Charles Ellis	W.Va.
B.S. 1046, United States Naval		Frick, Josephine Elizabeth Frick, Warren Allen Frid, Louis Irvin	D.C.
Academy Fredrickson, Ferne Oscar	0.0	Frick, Warren Allen	Md.
Fredrickson, Ferne Oscar	S.D. N.Y.	Friday, Edith Marguerite	Pa.
Free, Adele Blaine	Mass.	Fridinger, Arthur Boteler, Jr.	Va.
Freed, Fred Philip Freed, Richard Howard	Conn.	Fried, Alfred Sigmund	D.C.
Freedland, Sumper	D.C.	Fried, Alvin Bartlett Fried, Edward Robert	D.C.
Freedman, Frances Nadler	13.60	A.B. 1941, University of Michigan	
Freedman, Herbert Eugene	N.J.		Md.
Freedman, Jerome Bernard Freedman, Loretta Freedman, Norma Clare	D.C.	B.S. 1941, M.S. 1945, Cornell	
Freedman, Norma Clare	D.C.		
Freedman, Samuel Sumner Freedman, William B.S. in M.E. 1945, Duke University	Conn.	Ph.D. 1948, Purdue University Friedenberg, Ina Ruth Friedlander, Blaine Peyser R.S. 1948 University of Virginia	D.C.
Freedman, William	N.C.	Friedlander, Blaine Peyser	Va.
Freeman, Aaron Elliott	Va.	B.S. 1948, University of Virginia Friedlander, Harold	N.Y.
Freeman Franklin	D.C.	Friedlander, Harold	,,,,,
Freeman, Harlan Edwin	Ga.	B.S. 1934, College of the City of	
Freeman, Horatio Putnam	Md.	B.S. 1934. College of the City of New York A.M. 1939. The George Washington	
B.S. 1947, Dickinson College	Va.	University	D.C.
Freeman, James Thomas Freeman, Lawrence Dudley	Mass.	Friedman, David B. Friedman, Edna May	D.C.
Freeman, Leon Harvey	Va.	Friedman, Edna May	
Freeman, Marianne Virginia	Del.	A.B. 1935, Barnard College Friedman, Eva	Brazil
B.S. 1948, The George Washington University		Friedman, Gerald	D.C. D.Y.
Freeman, Mary Blanche A.B. 1944. Woman's College of the	N.C.	Friedman, Gerald Friedman, Harold Aaron	N.Y.
A.B. 1944. Woman's College of the			
University of North Carolina	DC	B.S.S. 1947, College of the City of	NI.
Freeman, Mary Eleanor Freeman, Merritt Emery	D.C.	New York Friedman, Lila Golda Friedman, Martin Leonard	NJ.
Freeman, Rhoda Golden	N.Y.	Friedman, Martin Leonard	- 0
A.B. 1948, Hunter College	27.27	A.B. 1910, Rutgers University Friedman, Morris Friedman, Norman	D.L.
Freeman, Robert Mendel	N.Y.	Friedman, Morris	Min
B.F.E. 1944, College of the City of New York Freeman, William Clarence, Jr.		B.M.E. 1945. College of the City of New York	
Freeman, William Clarence, Jr.	N.Y.	New York	N.Y.
Freer, Barry	Ohio	Friedman, Seymour Jack	N.Y.
Freeze, Herbert Allan, Jr.	N.J. Va.	A.B. 1939, Brooklyn College	Md.
Freesland, Jacob William, Jr. Freidin, Harold Richard	D.C.	Friedman, Sol	Md.
Freidlin, Iulius Norman	Fla.	Friedmann, Paul Frederick	Maine
Freidlin, Julius Norman A.B. 1050. Duke University Freise, Robert Eugene		Friel, Colleen Gertrude	N.Y.
	Md.	Fries, James Richard	D.C. Pa.
Fremba, John	D.C.	Friess, Lawrence Francis	Ps.
A.B. 1926. Ohio State University		Frigione, Florence Olympia Frigione, Rose Maria	D.C.
French, William E.	D.C.	Frillman, Florian Edward	Norway
French, William Thomas	Fla.		Va.
B.Ch.E. 1943, University of Florida	N.Y.	Frisch, Rolf Andvord Frischman, Donald William B.S. in Ed. 1042, State Teachers College, Indiana, Pa. Fisher Karl Harbert	
Freret, Betty Strachan	Va.	B.S. in Ed. 1942, State	p.C.
B.B.A. 1943, Tulane University		Frishman, Karl Herbert	Pa.
Freseman, Phyllis Langlitt	D.C.	Fritchman, Thelma Alice	N.Y.
Fremba, John French, Mariorie Grace A.B. 1026. Ohio State University French, William E. French, William Thomas B.Ch.E. 1043, University of Florida Frenkel. George L. Freret, Betty Strachan B.B.A. 1043, Tulane University Freeman, Phyllic Langlitt Freeman, Rose Alcaraz Freehman, Arthur Samuel	Mass. Va.		
Freudenberg, Harold William Freudenberg, Maxwell Charles B.S. in E.E. 1948, University of Illinois	Win	Frite, Sigmund B.S. 1934. Brooklyn College M.S. 1934. Massachusetts Institute a	
Freudenberg, Mazwell Charles	III.	Technology	Va.
B.S. in E.E. 1048, University of		Prity Charles Walter	Va.
Freund, Harris	NI	Fritz. Edmund William	Ind.
Freundel, Milton	N.J. N.Y. Va.		D.C.
Frey, Fred Marquie Frey, Helen G.	Va.	A.B. 1042, Evansville Control	D.C. D.C. N.J.
Frey, Helen G.	N.Y.	Frohman, Alice Patricia Frohman, Mary Satterles	NJ.
Frey, Kathryn Helen Frey, Quentin Victor, Jr.	Oreg. Pa.	Froio, Frances Marie	
. 107, Quentin victor, Jr.	4 00.		

S. 1946. College of the City of B. S. 1958. M. S. 1956. College of the City of Prot., Jack Arthus Frost, Jack Arthus Frost, John Dean Frost, J	Frome, Julius	DC	Futeran Total	N.Y.
For Juliet Charles Program Juliet Charles Charles Charles Charles Program Juliet Program Juliet Charles Program Juliet Charles Program Juliet Charles Program Juliet Charles Program Juliet Program Julie	B.S. 1936, College of the City of	D.C.	B.S. 1915, M.S. 1936, College of the	44.8.
Frost, John Donn Frost, John Donn Frost, John Donn Frost, Julier Fry, Elmer Charles Fry, Engene Nathan Fry, Eugene Nathan Fry, Eugene Nathan Fry, Gorge Edward Fry, Gorge Edward B.S., 1923, United States Naval Academy Fryer, Donn Wolfe Fuller, Charles Andrew A.B. 1027, University of Missouri Fuller, Charles Andrew A.B. 1027, University of Nebraska Fuller, Gladys Mise Fuller, Gladys Mise Fuller, Gladys Mise Fuller, Charles Funde Fuller, Charles Wolfe Fuller, Charles Funde Fuller, Charles Wolfe Fuller, Fuller, Charles Fuller Fuller, Fuller Fuller, Fuller Fuller, Fuller Fuller Fuller Fuller Fuller Fry, Wolfe Fry, Charles Fuller Fry, Wolfe Fry, Gorge Fuller Fry, Gorge Fu	New York		City of New York	D 0
Fry, Gorman Dean Fryberre, Pibert Lee B.S. 1923, United States Naval Academy Free, Alison Wolfe Fryer, Obsorbea Constance Fryer, Comman Ewing, Jr. B.S. 1938, United States Naval Academy Fuch, William George Fusher, Virginia Biennee Fusher, Fobert Allison Fulcher, Robert Allison Fulcher, Robert Allison Fulcher, Robert Allison Fulcher, Fobert Allison Fuller, Gorme Turker Fuller, Gorme Tu	Frost, John Dean		Futrovsky, Carolyn Kate	
Fry, Gorman Dean Fryberre, Pibert Lee B.S. 1923, United States Naval Academy Free, Alison Wolfe Fryer, Obsorbea Constance Fryer, Comman Ewing, Jr. B.S. 1938, United States Naval Academy Fuch, William George Fusher, Virginia Biennee Fusher, Fobert Allison Fulcher, Robert Allison Fulcher, Robert Allison Fulcher, Robert Allison Fulcher, Fobert Allison Fuller, Gorme Turker Fuller, Gorme Tu	Front, Juliet		rutterman, Siuney	wid.
Fry, Gorman Dean Fryberre, Pibert Lee B.S. 1923, United States Naval Academy Free, Alison Wolfe Fryer, Obsorbea Constance Fryer, Comman Ewing, Jr. B.S. 1938, United States Naval Academy Fuch, William George Fusher, Virginia Biennee Fusher, Fobert Allison Fulcher, Robert Allison Fulcher, Robert Allison Fulcher, Robert Allison Fulcher, Fobert Allison Fuller, Gorme Turker Fuller, Gorme Tu	Fry, Elmer Charles		G	
Fry, Gorman Dean Fryberre, Pibert Lee B.S. 1923, United States Naval Academy Free, Alison Wolfe Fryer, Obsorbea Constance Fryer, Comman Ewing, Jr. B.S. 1938, United States Naval Academy Fuch, William George Fusher, Virginia Biennee Fusher, Fobert Allison Fulcher, Robert Allison Fulcher, Robert Allison Fulcher, Robert Allison Fulcher, Fobert Allison Fuller, Gorme Turker Fuller, Gorme Tu	Fry, Ernest William	D.C.	Gabella Josephine Caroline	Pa.
Fry, Gorman Dean Fryberre, Pibert Lee B.S. 1923, United States Naval Academy Free, Alison Wolfe Fryer, Obsorbea Constance Fryer, Comman Ewing, Jr. B.S. 1938, United States Naval Academy Fuch, William George Fusher, Virginia Biennee Fusher, Fobert Allison Fulcher, Robert Allison Fulcher, Robert Allison Fulcher, Robert Allison Fulcher, Fobert Allison Fuller, Gorme Turker Fuller, Gorme Tu	Pry Gugene Nathan	D.C.	Catie, Richard Beanitt	SC.
B.S. 1923, United States Naval Academy M.S. 1910, Harvard University Fryer, Alison Wolfe Fryer, Dorothea Constance Fryer, Pornan Esting, Jr. B.S. 1918, University Fucha, William George Fudge, Russell Oliver B.S. 1921, University of Missouri Fusite, John Paul Fusite, John Paul Fusite, Marca Fuller, Robert Allison Fusite, John Paul Fuller, Charles Edward Fuller, Charles Famis Fuller, Oliversity of Colorado Fulleron, Wilmer Rentick Fulleron, Wilmer Rentick Fulleron, Wilmer Rentick Fulleron, Glady Mase Fulleron, Frederick James Fulleron, Glady Mase Fulleron, Frederick James Fulleron, Glady Jam	Fry, Gorman Days	D.C.		Pa.
Academy M.S. 1910. Harvard University Fryer, Drothea Constance Fryer, Dorothea Constance Fryer, Norman Ewins, J. B.S. 1918. Invited States Naval Academy Fuchs, John Edward, J. Fuchs, William George Fudge, Russell Olives	Fryberger, Elbert Las	D.C.	Gabletsa, Mary Jane	N.H.
B. 1930. Harvard University of Fryer, Alson Wolfe Fryer, Alson Wolfe Fryer, Chalcon Wolfe Fryer, Norman Eving, Jr. B. 1930. Harvard University of Fryer, Alson Wolfe Fryer, Norman Eving, Jr. B. 2 Galeuchan, Parcus Galeuchan, Parcus Galeuchan, Parcus Garter, Rubert Montague B. 3 United States Naval B. 3 University of Missouri Fuchae, Julio Paul D. C. B. 5 Will, University of Missouri Fuchae, Julio Paul D. C. B. 5 Will, University of Missouri Fuchae, Julio Paul D. C. B. 5 Will, University of Missouri Fuchae, Paul D. C. B. 6 William George W. 1 Wa. B. 6 William George W. 2 Wa. B. 6 William George W. 2 Wa. B. 7 William George W. 2 Wa. B. 7 William George W. 2 Wa. B. 8 William George W. 2 Wa. B. 8 William George W. 2 Wa. B. 8 William George W. 2 Wa. B. 9 William George W. 2 Wa. B. 1940. Catholic University of Missouri Fuchae, Paul Carlon, Jr. B. 1940. Catholic University of Missouri William Albert B. 1940. Catholic University of Missouri William Albert B. 1940. Catholic University of Missouri William Albert B. 1940. Catholic University of Nebrasks W. 2 Wa. B. 1940. Catholic University of Nebrasks W. 2 Wa. B. 1940. Catholic University of Nebrasks W. 2 Wa. B. 1940. Catholic University of Nebrasks W. 2 Wa. B. 1940. Catholic University of Nebrasks W. 2 Wa. B. 1940. Catholic University of Nebrasks W. 2 Wa. B. 1940. Catholic University of Nebrasks W. 2 Wa. B. 1940. Catholic University of Nebrasks W. 2 Wa. B. 1940. Catholic University of Nebrasks W. 2 Wa. B. 1940. Catholic University of Nebrasks W. 2 Wa. Callian Monta Blodgett Gallander Beatry, L. Con N. Y. Cashet Hearty W. 2 Wa. Callian William Albert W. 3 Wa. Callian W. Monta Blodgett B. 5. 1940. Catholic W. 3 Wa. Callian W. Wa. Callian W. Wa. Callian W. Monta Blodgett D. C. Gallander Beatry Bloom W. 4 Wa. Callian W. Monta Blo		Coio.	Cabriel Henry	DC
Fryer, Norman Ewing, J. B.S. 1938, United States Naval Academy Pucha, John Edward, Jr Fudes, Russell Oliver B.S. 1941, University of Missouri Fusher, Viniversity of Missouri Fusher, Pushin Bennee Fusher, John Eaul T. D. B.S. 1941, University of Missouri Fusher, Pushin Bennee Fusher, John Eaul T. D. B.S. 1948, Catholic University of America Fusher, Fusher Edward Fuller, Charles Adward Fuller, Charles Adward Fuller, Charles Andrew Fuller, Charles Adward Fuller, Charles Andrew Fu	Academy		B.S. 1014. Long Island University	
Fryer, Norman Ewing, J. B.S. 1938, United States Naval Academy Pucha, John Edward, Jr Fudes, Russell Oliver B.S. 1941, University of Missouri Fusher, Viniversity of Missouri Fusher, Pushin Bennee Fusher, John Eaul T. D. B.S. 1941, University of Missouri Fusher, Pushin Bennee Fusher, John Eaul T. D. B.S. 1948, Catholic University of America Fusher, Fusher Edward Fuller, Charles Adward Fuller, Charles Adward Fuller, Charles Andrew Fuller, Charles Adward Fuller, Charles Andrew Fu	Fryer, Alison Walfer		Gabrielian, Paruir	D.C.
Fryer, Norman Ewing, J. B.S. 1938, United States Naval Academy Pucha, John Edward, Jr Fudes, Russell Oliver B.S. 1941, University of Missouri Fusher, Viniversity of Missouri Fusher, Pushin Bennee Fusher, John Eaul T. D. B.S. 1941, University of Missouri Fusher, Pushin Bennee Fusher, John Eaul T. D. B.S. 1948, Catholic University of America Fusher, Fusher Edward Fuller, Charles Adward Fuller, Charles Adward Fuller, Charles Andrew Fuller, Charles Adward Fuller, Charles Andrew Fu	Fryer, Dorothea Constant	18.	Gubrysh, Andrew Francis	Pa.
Fuchs, John Edward, Jr. Fuchs, William George Fuchs, Russell Oliver Fuchs, William George Fusate, John Paul Fusate, John Edward, John Paul Fusate, John John John Paul Fusate, John John John John John John John John	Fryer, Norman Ewing, It	Md.	Gaertner, Robert Montague	DC.
Fuchs, John Edward, Jr. Fuchs, William George Fuchs, Russell Oliver Fuchs, William George Fusate, John Paul Fusate, John Edward, John Paul Fusate, John John John Paul Fusate, John John John John John John John John	B.S. 1938, United States Naval	1000.	Gares Charles Cottee It	1) (
Fusiter, Orlin Paul Fugle, Kathryn Mary Pugle, Kathryn Mary B.S. 1948, Catholic University of America Fulcher, Robert Allison Fulcher, Robert Clinton, Jr. Fuller, Charles Andrew Fuller, Charles Andrew Fuller, Frank Gardner B.S. 1947, The George Washington Fullerton, Jay Fullerton, Wilmer Rentick Fullerton, Jay Fullerton, Jay Fullerton, Miner Rentick Fullerton, Jay Fullerton, Miner Rentick Fullerton, Jay Fullerton, Miner Rentick Fullen, Alice Catherine B.S. 1937, University of Nebraska Fullon, Alice Catherine B.S. 1937, University of Nebraska Fullon, Martha Fullon, Marth	Fucha John Fall		Gagliano, Robert Chester	DC
Fusiter, Orlin Paul Fugle, Kathryn Mary Pugle, Kathryn Mary B.S. 1948, Catholic University of America Fulcher, Robert Allison Fulcher, Robert Clinton, Jr. Fuller, Charles Andrew Fuller, Charles Andrew Fuller, Frank Gardner B.S. 1947, The George Washington Fullerton, Jay Fullerton, Wilmer Rentick Fullerton, Jay Fullerton, Jay Fullerton, Miner Rentick Fullerton, Jay Fullerton, Miner Rentick Fullerton, Jay Fullerton, Miner Rentick Fullen, Alice Catherine B.S. 1937, University of Nebraska Fullon, Alice Catherine B.S. 1937, University of Nebraska Fullon, Martha Fullon, Marth	Fuchs, William Goose	D.C.	Gagnon, Henry, Jr.	DC.
Fusiter, Orlin Paul Fugle, Kathryn Mary Pugle, Kathryn Mary B.S. 1948, Catholic University of America Fulcher, Robert Allison Fulcher, Robert Clinton, Jr. Fuller, Charles Andrew Fuller, Charles Andrew Fuller, Frank Gardner B.S. 1947, The George Washington Fullerton, Jay Fullerton, Wilmer Rentick Fullerton, Jay Fullerton, Jay Fullerton, Miner Rentick Fullerton, Jay Fullerton, Miner Rentick Fullerton, Jay Fullerton, Miner Rentick Fullen, Alice Catherine B.S. 1937, University of Nebraska Fullon, Alice Catherine B.S. 1937, University of Nebraska Fullon, Martha Fullon, Marth	Fudge, Russell Oliver	2.1.	Gail, William Albert	12.
Fusiter, Orlin Paul Fugle, Kathryn Mary Pugle, Kathryn Mary B.S. 1948, Catholic University of America Fulcher, Robert Allison Fulcher, Robert Clinton, Jr. Fuller, Charles Andrew Fuller, Charles Andrew Fuller, Frank Gardner B.S. 1947, The George Washington Fullerton, Jay Fullerton, Wilmer Rentick Fullerton, Jay Fullerton, Jay Fullerton, Miner Rentick Fullerton, Jay Fullerton, Miner Rentick Fullerton, Jay Fullerton, Miner Rentick Fullen, Alice Catherine B.S. 1937, University of Nebraska Fullon, Alice Catherine B.S. 1937, University of Nebraska Fullon, Martha Fullon, Marth	Fuel 1911, University of Missonri	5 A.	B.S. in M.E. 1948, University of	
America Fulcher, Robert Allison Fulcher, Robert Clinton, Jr. Fuller, Charles Andrew Fuller, Charles Andrew Fuller, Charles Edward Pas, 1939, Aurora College A.M. 1947, The George Washington Ulcinversity Fullerton, Jay The George Washington Ulcinversity Fullerton, Marse Fullerton, Jay The George Washington Ulcinversity Fullerton, Marse Fullerton, Marse Fullerton, Marse Gallerton, Melvan Promass Va. Gallamer, Basener Blann Ulcin, Gallamer,	Funda Linginia Bernice	Nebr.		D.C
America Fulcher, Robert Allison Fulcher, Robert Clinton, Jr. Fuller, Charles Andrew Fuller, Charles Andrew Fuller, Charles Edward Pas, 1939, Aurora College A.M. 1947, The George Washington Ulcinversity Fullerton, Jay The George Washington Ulcinversity Fullerton, Marse Fullerton, Jay The George Washington Ulcinversity Fullerton, Marse Fullerton, Marse Fullerton, Marse Gallerton, Melvan Promass Va. Gallamer, Basener Blann Ulcin, Gallamer,	Fugle, Kathran M.	DC.	Gainen, Leon	7 1.
America Fulcher, Robert Allison Fulcher, Robert Clinton, Jr. Fuller, Charles Andrew Fuller, Charles Andrew Fuller, Charles Edward Pas, 1939, Aurora College A.M. 1947, The George Washington Ulcinversity Fullerton, Jay The George Washington Ulcinversity Fullerton, Marse Fullerton, Jay The George Washington Ulcinversity Fullerton, Marse Fullerton, Marse Fullerton, Marse Gallerton, Melvan Promass Va. Gallamer, Basener Blann Ulcin, Gallamer,	B.S. 1948, Catholic University	N. A.	Gaines, Robert Wesley, Jr.	1.3.
Fuller, Charles Andrew Fuller, Charles Edward Puller, Frank Gardner B.S. 1939, Aurora College A.M. 1947, The George Washington Fuller George Tucker Fullerton, Jas Fullerton, Jas Fullerton, Mulmer Renrick Fullerton, Mulmer Renrick Fuller George Catherine A.B. 1947, University of Colorado Fulton, Gladys Mae B.S. 1947, University of Nebrasks Fulton, Agric Catherine B.S. 1927, University of Nebrasks Fulton, Leroy Egzar Funk, James Samuel Funk, Frederick, Ji B.S. 1947, University of Missouri Funksouser, Claude B.S. 1948, University of Missouri Funksouser, Katheryn Luther Funk, Tobias Roger A.B. 1948, University of Missouri Furman, Paul Larry Furman, Paul Larry Fursado, Robert Henry Furst, Idward Albert Fursado, Laura Fursado, Laura Fursado, Laura Fursado, Laura Funstloop, Laura Fursado, Laura Funstloop, Laura Fursado, Laura Fursado, Laura Fursado, Laura Funstloop, Laura Fursado, Laur	Ful-America		Gimnes, W. liam En brey	D.C.
Fuller, Charles Addrew Fuller, Frank Gardner B.S. 1939, Aurora College A.M. 1947. The George Washington University Fuller footing Tucker Fuller footing Tu	Fulches Robert Allison	Conn.	Cantes, William Viation	DC.
A.M. 1947. The George Washington Fuller, Geotise Tucker Fullerton, Jay Fullerton, Wilmer Renrick Fullerton, Donna Marie Fullon, Alic Catherine A.B. 1947. University of Colorado A.B. 1947. University of Colorado B.S. 1927. University of Colorado Callagher, Barbara Blaine Fulton, Leroy Edgar Fulton, Leroy Edgar Fulton, Leroy Edgar Fulton, Leroy Edgar Fulton, Richard James Fulton, Froderick, Ji B.S. 1927. University of Missouri Funk, Prefederick, Ji B.S. 1927. United States Naval Mid. Gallant, Fulton Parmas Funk, Richard Hodges Funk, Richard Hodges Funk, Richard Hodges Funke, Frederick, Ji B.S. 1927. United States Naval Mid. Gallena, Hamel H. A.B. 1947. Georgetown University W.V.a. Gallant, Marina D.C. Gallanter, Barbara Blaine D.C. Gallanter, Barbara Blaine D.C. Gallanter, Researd Frances V.a. Gallant, Arthur Gallant, Arthur Gallena, Albert William Mass Gallena, Albert William Mass Gallena, Albert William Mass Galloway, Clark Hamitan N.Y G	Fulesdy, Charles Clinton, Jr.		Gamey, Daniel Francis	Pa.
A.M. 1947. The George Washington Fuller, Geotise Tucker Fullerton, Jay Fullerton, Wilmer Renrick Fullerton, Donna Marie Fullon, Alic Catherine A.B. 1947. University of Colorado A.B. 1947. University of Colorado B.S. 1927. University of Colorado Callagher, Barbara Blaine Fulton, Leroy Edgar Fulton, Leroy Edgar Fulton, Leroy Edgar Fulton, Leroy Edgar Fulton, Richard James Fulton, Froderick, Ji B.S. 1927. University of Missouri Funk, Prefederick, Ji B.S. 1927. United States Naval Mid. Gallant, Fulton Parmas Funk, Richard Hodges Funk, Richard Hodges Funk, Richard Hodges Funke, Frederick, Ji B.S. 1927. United States Naval Mid. Gallena, Hamel H. A.B. 1947. Georgetown University W.V.a. Gallant, Marina D.C. Gallanter, Barbara Blaine D.C. Gallanter, Barbara Blaine D.C. Gallanter, Researd Frances V.a. Gallant, Arthur Gallant, Arthur Gallena, Albert William Mass Gallena, Albert William Mass Gallena, Albert William Mass Galloway, Clark Hamitan N.Y G	Fuller, Charles Edman	Pa.	Galare, Morton Robert	N.Y.
A.M. 1947. The George Washington Fuller, Geotise Tucker Fullerton, Jay Fullerton, Wilmer Renrick Fullerton, Donna Marie Fullon, Alic Catherine A.B. 1947. University of Colorado A.B. 1947. University of Colorado B.S. 1927. University of Colorado Callagher, Barbara Blaine Fulton, Leroy Edgar Fulton, Leroy Edgar Fulton, Leroy Edgar Fulton, Leroy Edgar Fulton, Richard James Fulton, Froderick, Ji B.S. 1927. University of Missouri Funk, Prefederick, Ji B.S. 1927. United States Naval Mid. Gallant, Fulton Parmas Funk, Richard Hodges Funk, Richard Hodges Funk, Richard Hodges Funke, Frederick, Ji B.S. 1927. United States Naval Mid. Gallena, Hamel H. A.B. 1947. Georgetown University W.V.a. Gallant, Marina D.C. Gallanter, Barbara Blaine D.C. Gallanter, Barbara Blaine D.C. Gallanter, Researd Frances V.a. Gallant, Arthur Gallant, Arthur Gallena, Albert William Mass Gallena, Albert William Mass Gallena, Albert William Mass Galloway, Clark Hamitan N.Y G	Fuller, Frank Gardner	1 8	B.E.E. 1946, College of the City of	
Fullerton, Jay Fullerton, Wilmer Renrick Fullerton, Marie Fullerton, Marie Fullerton, Marie A.B. 1947, University of Colorado B.S. 1947, University of Nebraska Fullon, Larry Funderburk, Charles Wade Funk, Branes Samuel Funker, Frederick, Ji B.S. 1927, University of Missouri Funkhouser, Claude B.S. in M.E. 1943, University of Funkhouser, Rathrya Luther Funk, Tobias Roperer A.B. 1938, University of Missouri Furman, Fugene Marvin Furman, Paul Larry Fursten, Howard Irveng A.B. 1942, University of California Furst, Howard Irveng A.B. 1942, University of California Furstled, Laura Funded, Laura Funded	A N. 1939, Aurora College	K 1.	New York	1.
Fullerton, Jay Fullerton, Wilmer Renrick Fullerton, Marie Fullerton, Marie Fullerton, Marie A.B. 1947, University of Colorado B.S. 1947, University of Nebraska Fullon, Larry Funderburk, Charles Wade Funk, Branes Samuel Funker, Frederick, Ji B.S. 1927, University of Missouri Funkhouser, Claude B.S. in M.E. 1943, University of Funkhouser, Rathrya Luther Funk, Tobias Roperer A.B. 1938, University of Missouri Furman, Fugene Marvin Furman, Paul Larry Fursten, Howard Irveng A.B. 1942, University of California Furst, Howard Irveng A.B. 1942, University of California Furstled, Laura Funded, Laura Funded	University. The George Washington		BS 1017 United States Naval	14.
Fullerton, Wilmer Renrick Fullerton, Allana Catherine A.B. 1947, University of Colorado B.S. 1927, University of Nebraska Fulton, Aeroy Edgar Fulton, Aeroy Edgar Fulton, Martha Fulton, Martha Fulton, Laeroy Edgar Fulton, Karlor James Funderburk, Charles Wade Funk, James Samuel Funk, James Samuel Funk, Richard Hodges Funk, Richard Hodges Funk, Richard Hodges Funk, Frederick, 11 B.S. 1927, University of Missouri Funkhouser, Claude B.S. in M.E. 1943, University of Funkhouser, Rathrya Luther Funkhouser, Robert Elmer A.B. 1938, University of Missouri Furthon, Robert Henry Furthon, Robert Henr	Fuller, George Tuel		Academy	
A.B. 1947, University of Colorado Fulton, Gladys Mae B.S. 1937, University of Nebraska Fulton, Leroy Edgar Fulton, Martha Fulton, Gallant, Arthur Gallant, Martha Fulton, Gallant, Arthur Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Martha Fulton, Gallant, Martha Fulton, Gallant, Arthur Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Martha F	Fullerton, Jay		Galeano, Charles Joseph	
A.B. 1947, University of Colorado Fulton, Gladys Mae B.S. 1937, University of Nebraska Fulton, Leroy Edgar Fulton, Martha Fulton, Gallant, Arthur Gallant, Martha Fulton, Gallant, Arthur Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Martha Fulton, Gallant, Martha Fulton, Gallant, Arthur Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Martha F	Fulmer Wilmer Renrick		Galer, Melvin	
A.B. 1947, University of Colorado Fulton, Gladys Mae B.S. 1937, University of Nebraska Fulton, Leroy Edgar Fulton, Martha Fulton, Gallant, Arthur Gallant, Martha Fulton, Gallant, Arthur Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Martha Fulton, Gallant, Martha Fulton, Gallant, Arthur Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Gallant, Martha Fulton, Martha F	Fulton Alina Marie	Pa	Galinia, Victor John	23.
Funk, Richard Hodges Funke, Frederick. J. BS 1927. United States Naval Academy Funkhouser, Claude BS. in M.E. 1943. University of Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, Glenville State College Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser, Katrya Luther Funkhouser, Katrya Luther Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 19	A D Catherine	Okla.	Gall Amos Ham dos	W Va.
Funk, Richard Hodges Funke, Frederick. J. BS 1927. United States Naval Academy Funkhouser, Claude BS. in M.E. 1943. University of Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, Glenville State College Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser, Katrya Luther Funkhouser, Katrya Luther Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 19	Fulton, Gladys Man Colorado		Gallagher, Barbara Blaine	DC
Funk, Richard Hodges Funke, Frederick. J. BS 1927. United States Naval Academy Funkhouser, Claude BS. in M.E. 1943. University of Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, Glenville State College Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser, Katrya Luther Funkhouser, Katrya Luther Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 19	Fuls. 1927. University of Nebrush	D.C.	Gallanten Bernard Francis	Va.
Funk, Richard Hodges Funke, Frederick. J. BS 1927. United States Naval Academy Funkhouser, Claude BS. in M.E. 1943. University of Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, Glenville State College Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser, Katrya Luther Funkhouser, Katrya Luther Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 19	Fullon Leroy Edgar	C-116	Gallas er, Joan Marietta	12
Funk, Richard Hodges Funke, Frederick. J. BS 1927. United States Naval Academy Funkhouser, Claude BS. in M.E. 1943. University of Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, Glenville State College Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser, Katrya Luther Funkhouser, Katrya Luther Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 19		D()	Gallana, John Phomas	1.1.
Funk, Richard Hodges Funke, Frederick. J. BS 1927. United States Naval Academy Funkhouser, Claude BS. in M.E. 1943. University of Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, Glenville State College Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser, Katrya Luther Funkhouser, Katrya Luther Funkhouser, Katrya Luther Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 1945, University Funkhouser Funkhouser Gallos, Millard Lucien A.B. 19	Funderburk Charles	229	Callart Mendia Rafael	DC.
B.S. 1927. United States Naval Academy Funkhouser, Claude B.S. in M.E. 1943, University of Funkhouser, Kathrya Luther Funk, Tobias Rogere A.B. 1938, University of Missouri Further, Midred Further, Thomas William Furman, Eugene Marvin Furman, Paul Larry Furman, Paul Larry Furst, Howard Irving A.B. 1938, University of California Further, Howard Irving A.B. 1938, University of California Further, Howard Irving A.B. 1938, University of California Further, Howard Irving A.B. 1932, University of California Further, Howard Irving A.B. 1932, University of California Further, Howard Irving A.B. 1942, University of California Further, Howard Irving A.B. 1947, Glenville State College Galloa, papale Edmand Galloa, Millard Lucien A.B. 1948, Harvard University N.Y. Galloway, Clark Ham ton A.B. 1948, Harvard University N.Y. Galloway, Clark Ham ton A.B. 1948, Harvard University N.Y. Galloway, Clark Ham ton A.B. 1947, Glenville State College Calloa, papale Edmand A.B. 1947, Glenville State College N.Y. Galloway, Clark Ham N.Y. Galloway, Clark Ham N.Y. Galloway, Clark Ham N.Y. Galloway, Esther Augustine N.Y. Galloway, Clark Ham N.Y. Galloway, Clark Ham N.Y. Galloway, Esther Augustine N.Y. Galloway, Clark Ham N.Y. G	Funk, James Samuel	SC.		
B.S. 1927. United States Naval Academy Funkhouser, Claude B.S. in M.E. 1943, University of Funkhouser, Kathrya Luther Funk, Tobias Rogere A.B. 1938, University of Missouri Further, Midred Further, Thomas William Furman, Eugene Marvin Furman, Paul Larry Furman, Paul Larry Furst, Howard Irving A.B. 1938, University of California Further, Howard Irving A.B. 1938, University of California Further, Howard Irving A.B. 1938, University of California Further, Howard Irving A.B. 1932, University of California Further, Howard Irving A.B. 1932, University of California Further, Howard Irving A.B. 1942, University of California Further, Howard Irving A.B. 1947, Glenville State College Galloa, papale Edmand Galloa, Millard Lucien A.B. 1948, Harvard University N.Y. Galloway, Clark Ham ton A.B. 1948, Harvard University N.Y. Galloway, Clark Ham ton A.B. 1948, Harvard University N.Y. Galloway, Clark Ham ton A.B. 1947, Glenville State College Calloa, papale Edmand A.B. 1947, Glenville State College N.Y. Galloway, Clark Ham N.Y. Galloway, Clark Ham N.Y. Galloway, Clark Ham N.Y. Galloway, Esther Augustine N.Y. Galloway, Clark Ham N.Y. Galloway, Clark Ham N.Y. Galloway, Esther Augustine N.Y. Galloway, Clark Ham N.Y. G	Funk, Richard Hodges	1) (Galleros, Ernest Eugene	DC
B.S. in M.E. 1943, University of Funkhouser, Kathrya Luther Funkhouser, Robert Elmer Funk, Tobias Roger A.B. 1938, University of Missouri Furlow, Thomas William Furman, Paul Larry Furman, Paul Larry Furst, Howard Albert Furne, Howard Irving A.B. 1942, University of California Furst, Los Angeles Furst, Los Angeles Furst, Los Angeles Furst, Los Angeles Md. Gallon, Raphael Edmand A.B. 1943, University of Missouri Furst, Howard Irving A.B. 1942, University of California Furstado, Laura Furstdo, Laura		Rans Dan	Galleran, Albert William	Mass
B.S. in M.E. 1943, University of Funkhouser, Kathrya Luther Funkhouser, Robert Elmer Funk, Tobias Roger A.B. 1938, University of Missouri Furlow, Thomas William Furman, Paul Larry Furman, Paul Larry Furst, Howard Albert Furne, Howard Irving A.B. 1942, University of California Furst, Los Angeles Furst, Los Angeles Furst, Los Angeles Furst, Los Angeles Md. Gallon, Raphael Edmand A.B. 1943, University of Missouri Furst, Howard Irving A.B. 1942, University of California Furstado, Laura Furstdo, Laura	Academy United States Naval		A B 1042 Glenville Cente College	49 4 %
Funt, Tobias Roper A.B. 1938. University of Missouri Furbor, Mildred Furbor, Mildred Furbor, Mildred Furbor, Mildred Furbor, Mildred Furbor, Thomas William Furman, Eugene Marvin Furman, Paul Larry Fursdon, Robert Henry Fursdon, Robert Henry Furst, Edward Albert Furst, Howard Irving A.B. 1942. University of California Furbon, A.B. 1943. University of California Furbon, A.B. 1943. University of California Furbon, A.B. 1944. University of California Furbon, A.B. 1945. University of California	Funkhouser, Claude		Gallo, Raphael Edmand	7. 1.
Funt, Tobias Roper A.B. 1938. University of Missouri Furbor, Mildred Furbor, Mildred Furbor, Mildred Furbor, Mildred Furbor, Mildred Furbor, Thomas William Furman, Eugene Marvin Furman, Paul Larry Fursdon, Robert Henry Fursdon, Robert Henry Furst, Edward Albert Furst, Howard Irving A.B. 1942. University of California Furbon, A.B. 1943. University of California Furbon, A.B. 1943. University of California Furbon, A.B. 1944. University of California Furbon, A.B. 1945. University of California	D.S. in M.E. 1941. Hojmonia	Md.	Gallon, Millard Lucien	DC.
Funt, Tobias Roper A.B. 1938. University of Missouri Furbor, Mildred Furbor, Mildred Furbor, Mildred Furbor, Mildred Furbor, Mildred Furbor, Thomas William Furman, Eugene Marvin Furman, Paul Larry Fursdon, Robert Henry Fursdon, Robert Henry Furst, Edward Albert Furst, Howard Irving A.B. 1942. University of California Furbon, A.B. 1943. University of California Furbon, A.B. 1943. University of California Furbon, A.B. 1944. University of California Furbon, A.B. 1945. University of California	Funkhouses No.		A H and B blancad I have a star	1.1.
A.B. 1938. University of Missouri Furber, Mildred Furber, Mild	Funkhouser Polyn Luther	SC	Galloway, Clark Hamilton	9. 6
Furst, Robert Henry Furst, Edward Albert A.B. 1942. University of California Furst, Los Angeles Furst, Los A	Funt, Tobias Roses	Va.	Galloway, Estner Augustine	7
Furst, Robert Henry Furst, Edward Albert A.B. 1942. University of California Furst, Los Angeles Furst, Los A	Fuel 1938, University of any	NA	Ga'llip, Meredith Hale	Int.
Furst, Robert Henry Furst, Edward Albert A.B. 1942. University of California Furst, Los Angeles Furst, Los A	Furlow Thildred	Mass	Gu'peer, Robert	II C
Furst, Robert Henry Furst, Edward Albert A.B. 1942. University of California Furst, Los Angeles Furst, Los A	Furman, Furman William	A+k	Gal «La Sophie Justime	DC.
A.B. 1942. University of California Furtado, Laura Fusilo Angeles Fusilo An	Burman, Paul I averin	DC.	Galvin, William Michael, Jr.	the same of
A.B. 1942. University of California Furtado, Laura Fusilo Angeles Fusilo An	Furnish Robert Henry	DC.	B.S. 1946 V. nova College	
A.B. 1942. University of California Furtado, Laura Fusilo Angeles Fusilo An	Fure Laward Albert	116	Gamache John Arthur	Mich.
at Los Angeles Fursido, Laura Fusilo Aura Gambie, Joseph Parker Gambie, Joseph Parker Fusilo Aura Fusi	A.B loward Irving	Cala	Gambal Serrius	DC
Fusilo Maura Philipp nes	The state of Carry	Calli.	Complete Litaria, Liberting	Md
B.S. 1948. University of Maryland Mass Gamboa, Lionel Kenneth Gamboa, Pearl Grace P. proces Pi pp nes Philippines	Furtado, Laura		Gambos Edwin Francis Phil	IDD 168
Md. Gambos, Melquiades Irving, Jr. Proposes Philippines			Gamboa, Lionel Kenneth	ppines
Gamboa, Pearl Grace Philippines	1948. University of Manual	Md.	Gamboa, Melquiades Irving, Jr. Pi ."	pp nes
	of Wafyland		Gamboa, Pearl Grace Phil	ippines

Gankoski, Irene F.	Ohio	Garrett, Elizabeth Anne	Va
B.S. 1947, Ohio State University		Garrett, Emily Quillan	Ga
Ganley, John Leo, Jr.	Va.	A.B. 1942, University of Georgia	70
B.S. 1947, Ohio State University Ganley, John Leo, Jr. Gannon, Albert William	N.J. D.C.	Garrett, Mary Jo Haisell	Tex
Gannon, Patricia Ulive	D.C.	Garrett, Emily Quillan A.B. 1943, University of Georgia Garrett, Mary Jo Halsell A.B. 1948, University of Texas	D.C
Gano, Roy Alexander	Va. Mo.	Garrett, Patricia Ann A.B. 1948, The George Washington	D
Gans, George Marshall B.S. in C.E. 1931, University of	MIO.	University	
Missouri		Garrett Paul Weatherly	D.C
Gans, Joan Regine	N.Y.	University Garrett, Paul Weatherly Garrett, Ralph Henry	D.C
Gans, Joan Regine Gant, Jessie Florence	III.	Garrett, Kulus Sanders, Jr.	Tex
Gantz, Gertrude Soule	Md.	B.S. 1946, United States Military	
A.B. 1935, Yankton College Gantz, Richard Farrand		Academy	N.J
Gantz, Richard Farrand	D.C.	Garrigan, Myles Robert	N-3
Garber, Edythe Alyne A.B. 1939, The George Washington	D.C.	A.B. 1948, The George Washington	
A.B. 1939, The George Washington		University Garrin, Millard Barnette	111
University Carbon Joseph	DC	Garriott, Juanita E.	
Garber, John Jacob Garcia, Antonio	D.C.	Garriques Frances Aileen	Kans D.C
Garcia, Ioe Gilbert	D.C. D.C. D.C.	Garriques, Frances Aileen Garrijon, Josephine Ruth	Mass
Garcia, Joe Gilbert Garcia, Manuel Gilberto	Ariz.	L.L. 13. 1 GAZ. PURE HORELL CELLVERNIEV	200
Garcia, Max Rodriquez	D.C.	Garris, Jack J.	Mich
Garcia, Pilar A.	Md.	Garris, Jack J. A.B. 1947, University of Michigan Garrison Lynn Willard	Md.
B.S. in B.A. 1941, University of the	he	Carriera, Lynn Williams	Ky.
Philippines	97.	Garrison, Melford Lee	243
Garcia, Robert	Vt.	B.S. 1943. University of Kentucky Garrison, Milton Eldridge	p.C.
Garcia-Frias, Roque Gard, John Glennwood	D.C. N.C.	Garro, Edward Joseph	D.C.
Gardner, Benjamin Franklin, Jr.	Md.	Gartner, Robert Martin	D.C.
Gardner, Edith Rose	Va.	Gartrell, Archibald, Jr.	Md.
A.B. 1943, University of California		Garver, Clifford Elliott	S.D.
at Los Angeles		Garwood, Charles Roscon	Iowa
Gardner, George Henry, Jr.	Mass.	A.B. 1934, Coe College	
B.S. 1945, United States Naval		A.B. 1934, Coe College A.M. 1939, University of Michigan	Marico
Academy		Garza, Celedonio Marcelino	Mexico Va.
Gardner, Marshall Closson	Ind.	Garzigita, Dernard John	Pa.
B.S. 1943, The George Washington		Gasda, Bernard Herbert	Mass.
University	A 1	Gash, Seymour Herbert	Md.
Gardner, Sophia Schneider	Ark.	Gaskins, Marion Rutledge	D.C.
B.S. 1936, New York University	B./Cub	Gaskins, Richard Hancock	D.C. D.C.
Gardner, Spencer Delos Gareau, Charles Frederick	Mich. Mass.	Gass, Charles Gass, Louis	D.C.
B.S. in M.E. 1939, The George	244-20.	Gassner, Florence Dorothea	Mo. Va.
Washington University		Gates, Charles Wilbur	Va.
Garfinkle. Melvin	D.C.	A.B. 1949, Syracuse University	Va.
Gargano, Fred Patrick	N.J.	Gates, Elizabeth Kingsolver	9 01
Gargano, Fred Patrick B.S. 1947, The George Washington			Pa.
University		B.S. 1942, Madison College Gates, James Lauren A.B. 1947, Pennsylvania State Colle Gates, John William	et .
Garges, Ellen Clare	D.C.	A.B. 1947, Pennsylvania State Cotto	Calif.
Garges, Wilbur Lawrence, Jr.	W.Va.	Gates, John William	Va.
Gargus, James Leon	D.C	Gates, Mark Moses	Va.
Garhart, Bernard Howard	D.C.	Gates, Ruth Marie	Ky.
B.S. in Ed. 1916, State Teachers College, Slippery Rock, Pa.		A.B. 1943, Centre College	Va.
Garlock, Edward Allen	Md.	Gates, William Baxter	Miss.
B.S. 1943. The George Washington	PATEL.	Gatewood, Mary Walker	D.C.
University		Gatlin Daniel Ray	D.O.
Garner, Alice Elizabeth	D.C	B.S. in M.E. 1946, University of	
Garner, Frederick Reed	D.C	South Carolina	Mass.
Garner, George William	D.C	Gatto, Victor E	
Garner, Louis Herbert	D.C.	B.S. 1940, Harvard University	Mass.
Garner, Roland Malcolm	NC	Gaudet, Richard Austin	V
Garner, Yancy Holmes	Md	B.S. 1947, University of Rochester Gaughan, Vincent Michael	N.Y.
Garnett, Carroll Marion	Va.	Gaugnan, Vincent Michael	Md.
B.S. 1948, The George Washington University		A B 1016 Western Maryland College	E .
Garnett, James Harper Poor	D.C.	S.T.B. 1938, Western Theological	
A.B. 1946, University of Virginia	D.C.	Seminary	Md.
Garrahan, Norman	D.C.	C . Auto-	2000
Garrett, Anthony Matthew, Jr.	N.C.	B.S. in E.E. 1933, Drexel Institute	
Garrett, C. Donald	Va.	of Technology	Md.
B.S. 1931, Franklin and Marshall		Gauvin, Edward Joseph	D.C.
College		Gaviria, Fernando	

C- " -			
Gavrilov, Lora	D.C.	George, George Ezekiel	D.C.
Gavrisheff, Ellen	D.C.	A.B. 1945, Harvard University LL.B. 1948, The George Washingto	
A B 1944. Our Lady of the Lake College Gay, Hazel Stafford B.S. in Ed. 1942, Teachers College, Farmville, Va. Gaylor, George Wylia		LL.B. 1948, The George Washingto	n
Gay Haral Confine		University	OL:-
B.S. in Ed. 1016 Tarabase C.B.	Va.	George, Harry Clair	Ohio
Farmyille Va		B.S. 1944, Mount Union College	Va.
Gaylor, George Wylie	Md.	George, James Barron A.B. 1948, College of William and	V.A.
Gaylord Marian Dagger	DELCI.	Mary	
B.S. 1940, Florida State University	Va.	George Ioan Mariorie	Va.
	Md.	George, Joseph Homen George, Marie Anne	Mass.
	Va.	George Marie Anne	D.C.
The state of the s	Va	George, Richard Bennett	Va
		Canana Bahart H	Va.
Gearing, Sinclair Gannon Gechter, Bernard Joseph	Md.	B.S. 1040, Bucknell University A.M. 1048, The George Washington	
Gechter, Bernard Joseph	9.2 -	A.M. 1948, The George Washington	
A.B. 1939. University of Connecticut Gedney, Platen Tayloe Gee, Mary Frances	31	niversity	
Gen Man Tayloe	D.C.		mezuela
Gee, Mary Frances	D.C.	Bachiller 1945, Champagnat College,	
A.B. 1929, Randolph-Macon Woma	in's	Colombia	DC
Geer Audro CI.		Georgevitch, Theodore Alexander	D.C. N.C. D.C.
Geera, Mary Colb.	Va.	Georgion, Melton Michel	D.C.
Geesa, Mary Cobbo A B 1928, Mount Union College Geeslin, Erney I.	D.C.	Geralis, Helen B.S. 1948, Wilson Teachers College	D.C.
Geeslin, Ernest L.	_	C. Albert Remard	Ohio
Gehrmann Charles Dt. 111	Ga.	Gerbie, Albert Bernard Gerbold, William Franklin	D.C.
	Md.	Conside Years H	Mich.
Total Contract Contra	MIG.	B S 1028 Bay City College	
College College		B.S. 1928, Bay City College M.S.P.H. 1940, University of	
Utib, Letter Manny	Md.		
	Va.	Gerende, I in oln Jennings Gerhard, Edmund James	Mich.
	DC	Gerhard, Edmund James	Va.
	Wis	Gerhardt, Robert Bernard BS in M.E. 1947, Northeastern	III.
	D.C.	BS in M.E. 1947, Northeastern	
	DC.	University Gerker, Nellie May	9.0
A.M. 1940. Columbia University Geisel, Mandalas Post		Gerker, Nellie May	Va
Geisel, Magdalen Ruth	Wis	Gerker, Nellie May Gerlinger, Melvin George German, Waldo Ross Germas, Demosthenes James	D.C.
	DC	German, Waldo Ross	Va.
Country Description	DC.	Germas, Demosthenes James	Mass.
	DC.	Gerry, Joseph Training	D.C
Seisuer, Harry Campa I	N J.	Gershenson, Leo F B.B.A. 1942, College of the City of New York	D.C
	Va.	B.B.A. 1942, Confede of the City	
	113	of New Fork	Conn.
	DC.	Gersten, Harold Gerstin, Marvin Joel	DC.
A.B. 1948. The George Washington	1, (.	A.B. 1047. The George Washington	
Gelak Burersity		Character	
	N. F.	Gertz, Louise Helene	DC.
BS. Dernard Andrew BS. In E.E. 1947. Syracuse University Geller, Irving		Gervasio, James Robert	1.1
Geller, Irving			Pa.
Gelles Many	NI.	B.Ch.E. 1010, College of the City of New York	
Gelles, Marvin Irving	DC	New York	
	DC	M.S. 1946, University of Lemmarica	
A R Account Milton	NJ	Getsinger, Richard Gordon Gettys, Richard Forsyth	W Va
Geloso Samuel New York University		Gettys, Richard Forsyth	DC M/3
remmell p	1. 1.	Getz, Ralph Edward	D.C.
Gemza Theolind Harvey	Ca' f.	Gever. Wallace Thomas	Gi
Gendaron E Anthony	('mn	Gheesling, William Marvin Ghormley, Edward Longstreth	DC
Generalla Di	DC.	Ghormley, Edward Longstreth	111
Genise, Josephine V	DC	BS, 1944, University of Washington M.S. 1946, Massachusetts Institute of	6
Cienthines Et	Minn.	M.S. 1040. Massacrassetts institute of	
	Mass	Technol as	DC.
Gentner, France	Pa	BS. 1042. College of the City of	
Gentner, Evelyn Gifford	DC.	New York	
Septem to mixel Mildless	DC	Giancteco Angelo Andrew	NY.
Gentry, Paul Karnison	() (Gan Angela	DC
A.B. 1924 Parill	Va	Giannore Charles	1.1
Gentry, Bernard Wilson Gentry, Paul Kemper A.B. 1924, Randolph-Macon College George, Annabelle George, December 1		Gamplakie Peter	NY.
George, Desmond Alvis	DC.	Gibbons, Della Sue	12.
B.S. 1941. Stephen E	Va.	Gibbons, Mary Graf	NY.
B.S. 1941. Stephen F. Austin State		A.B. 1940, Allerheny College	5.6
		Gibbons, Patrick Joseph	D.C.

			5.1
Gibbs, Edward Charles	D.C.	Gill, Edward Francis	Del.
Gibbs, John William	D.C. D.C.	Gill, Grover Bache Gill, Peter Lawrence	D.C.
A.B. 1946, The George Washington		Gill. Peter Lawrence	ggo.
University	5.0	B.S. 1942, Harvard University Gillard, William Henry	D.C.
Gibbs, Julian Glenwood Gibbs, Ray Allison, Jr.	D.C.	Gillard, William Henry	D.C. D.C.
Gibbs, Ray Allison, Jr.	Va.	Gillean, Marfred Elwood Gillespie, Constantine John Gillespie, Elizabeth R, Gillespie, George John Gillespie, Paul Edmund Gillespie, Ruth Joyce Gillette, Kirby Marvin A.B. 1931. University of Michigan LL.B. 1937, Wayne University Gillette, Nachne Gray Gillette, Nach Bolling	D.C.
Gibbs, Richard DeArmond	D.C.	Gillespie, Constantine John	Ky. D.C.
A.B. 1947. The George Washington		Gillerie Caron John	D.C.
University	N.C.	Charles Paul Edmund	Va.
Gibbs, Robert H.	14.0.	C. Harrie Puth Ioron	Tenn.
B.S. in Ed. 1942, Appalachian State Teachers College		Cillata Kirby Marvin	Va.
Gibbs, Robert Stewart	N.Y.	A B tott University of Michigan	
Gibbs, Verne Wesley	Calif.	LL.B. 1017. Wayne University	Va.
Gibney, Edith Cecelia	Pa.	Gillette, Nadine Gray	2 family
Gibson, Franklin Pierce	Va.	Gillette, Noeth Bolling	Mont. D.C.
Gibson, James Frederick	Va.	Gillette, Warren	D.C.
Cabeon Ismes Wallace	Va.	Gillette, Noeth Bolling Gillette, Warren B.S. 1942, California Institute of	
B.S. 1941. Hampden-Sydney College Gibson, John M B.S. 1914. Washington and Jefferson	_	Technology	111.
Gibson, John M	Pa.	Gilliam, Frank Peter B.M.E. 1937. Catholic University	d
B.S. 1914, Washington and Jetterson		B.M.E. 1937. Catholic University	
College	9.2 -	America	Va.
Gibson, Mary Hiden	Va.	Gilliam, Homer	Ohio
B.S. 1940. College of William and		Gillis, Harry Arthur, Jr. A.B. 1942, Ohio Wesleyan Univers	ity
Mary Ciber Reul	DC.	Gillman, Robert David	N.Y.
Gibson, Paul	Va.	A B 1010 Vale University	
Gibson, Robert Carl B.S. in Ed. 1018, Eastern Illinois		A.B. 1010. Yale University A.M. 1046, Columbia University	Va.
State Teachers College		Gills, Louis Catlin	Mass-
AM 1042. University of Illinois		Gilman, Bernard Milton Gilman, Donald Lawrence	Mass.
A.M. 1042. University of Illinois Gibson, Warren Louis	Va.	Gilman, Donald Lawrence	
Gideon, Robert Royce	Va.	Gilman, Laura May	
B.S. 1010. United States Military		Gilman, Laura May A.B. 1941. University of Californi	N.Y. D.C.
Academy		Gilmartin, Francis Edward, Jr. Gilmartin, Thomas Joseph Gilmore, Athol Benjamin, Jr.	D.C.
Gieseking, Charles Frederick	Va.	Gilmartin, Thomas Joseph	D.C.
Gifford, Evelyn Margaret	Nebr.	Gilmore, Athol Benjamin, Jr.	Md.
Gifford, Yale Wesley A.B. 1947, The George Washington University	Kans.	Gilmore, Barbara Anne	est
A.B. 1947, The George Washington		A.B. 1944. Hood College	71.
City	DC.	Gilmore, Frank Peter B.S. 1027, M.D. 1929, Loyola	
Gift. Lenore Genevieve Giglio, William Peter	Md.	University	Conn
Gilbert, Emma	D.C.	Gilmour. Robert Andrew	NY.
A.B. 1926, A.M. 1928, Radeliffe	27.0.	Gilroy, Francis Xavier	N.Y.
College		Gilcov. John William	Ala.
Gilbert, Foster Ingram	Va.	Gilrov, Iohn William Gilrov, Lillian Rebecca	TII.
Gilbert, Frederick Stewart, Jr. B.S. 1916, LL.B. 1938, University of	Fla.	Gilstran William Ismet	-
B.S. 1935, LL.B. 1938, University of		A.B. 1010. University of Kansas	D.C.
Florida			
LL.M. 1948, The George Washington		B.S. 1941, M.S. 1948, The George	- C
University	894	B.S. 1943, M.S. 1948, The George Washington University	Md.
Gilbert, George Milton	Fla.	Gimble, Gilbert	Mo.
Gilbert, Gerald Melvin	Pa.	Gimble, Gilbert Gingell, Robert Arthur A B 1948, The George Washington	
Gilbert, Harry Turner, Jr.	D.C.	A B 1948, The George Washing	vY.
Gilbert, Harry Turner, Jr. A.B. 1036. Princeton University Gilbert, Helen Virginia A.B. 1030. Judson College	D.C.	University Cinches Albert	N.Y.
A B tota Judean Callege	Dic.	Ginsberg, Albert	NY.
Gilbert, Humphrey	Tenn.	Ginsberg, David Kellner	n.C.
Gilbert Milton Edwin	D.C.	Ginsberg, Julius Ginsberg, William Kellner	N.C.C.C.
Gilbert, Milton Edwin B.M E 1948, College of the City o	1	Ginsburg, Harry	D.C.
New York			Mi.
Gilbert, Paul Edward, Jr.	DC.	Girardon, Paulette Marie	Md. DC. DC.
Gilbert, Paul Edward, Jr. Gilbert, Stanley Ormand	D.C.	Girismen, Mehmet Adnan	pc.
Gilcheist Wayne Richard	Mo	Girismen, Mehmet Fahir	pc.
Giles, Mary Elizabeth	Va.	Girton, Dale Rhoads	
Gilhz, Roy Hart	D.C.	Giser. Harold Walter	DC.
B.S. 1944. University of Maryland	31.35	Gittelman, Elinor Ann	DC
Gilford, Leon	N.Y.	Gitter Lenn Liebs	1080.
A.B. 1939, Brooklyn College	DC	Gittings, Thomas Morton, Jr.	Md.
Giliotti, Peter Alfonso Gilkeson, Wrenn Biller	D.C. Va.	Gittleman, Herman Max	Md.
Gilkey, Earle Will	Va.	Giusta, Mary Eleanor	Mass
A.B. 1938, A.M. 1940, The George	VA.	Giusti, Natalie	D.C.
Washington University		Given, Roland	

Girma T. L. O.			
Givens, John Slye	Va.	Godfrey, John Hardie Godfrey, Michael P. B.S., M.S., 1934, Catholic University of America	D.C.
AB. 1934, Southwestern Louisiana Institute		Godfrey, Michael F.	D.C. N.Y.
Lilyot Massis III.	D.C.	B.S., M.S., 1934. Catholic University	7
Gladstone, Adelle Glaeser, Harry William Glaser, Stanley	D.C.	Goding, Maurice Wilfred	41 1
Glaceer, Harry William	Md.	A B 1933. Yankton College	Alaska
Glasson N		Godsey, Eleanor	Colo.
Glasgow, Norman Milton LL.B. 1943. University of Maryland Glasgow, Richard Ellaworth A.B. 1948. Bradley University	Md.	Cadam Fast : N. D.	D.C.
Glasgow, Richard Elleway of Maryland	911	Godwan, Jewel Elizabeth	Fla
A.B. 1948, Bradley University Glaspey, Glen S. Glass, Oncar Robert, Jr. Glassberg, Lee	III.	Goder, Ratherine McBrien Godwin, Stuart. Ji Goehring, John Rudolph Goemaat, Edward John Gowey, Bruce Anderson AB 1942, Colgate University Goille, Jana Elizabeth Godern, George Turtle	DC. DC. NJ.
Glaspey, Glen S.	Wash.	Goenring, John Kudolph	DC.
Glass, Oscar Robert, Jr.	D.C.	Grewer Bruse Ar Jerson	1.1.
Glassberg, Lee	D.C. D.C.	AB 1942 Column L'niversien	Mass.
Glazener Janua Form	N.J.	Goffe, Janes Elizabeth	DC.
Glazer, Harry Bernard	Ky.	Golorth, George Tuttle	1.3.
Gleason, Donald Hastings	N.J. Ky. D.C. D.C.	Gotorth, George Tuttle Gogate, Kay Goglin, Henry Waldo	DC.
Gleason, Frederick James, Jr.		Goheen, Howard Warren	D.C.
Glassman, Gerald John Glazener, Jeanne Funderburg Glazer, Harry Bernard Gleason, Donald Hastings Gleason, Frederick James, Jr. Gleason, Georgette Elizabeth Gleason, Marguerite Anneth	N.Y. D.C.	A B 1047 Mullenhers C-11	Va.
Gleason, Marguerite Ann Gleason, Geraldine Ann	D.C.	A.B. 1947, Mullenberg College Gold, Abraham Melvin Gold, Harvey David	Mass.
A.B. 1947 St. Mary C. II	. Md.	Gold Harvey David	Md.
A.B. 1947. St. Mary College Glenn, Arthur James Glenn, Gerrydo Maria	0.17	Goldbaum, Annette Davis	MJ.
	Calif. N.J.	Goldbaum, Annette Davis Goldbaum, Leo Robert	Md.
B.S. in Ed. 1042, New Jersey Stat Teachers College, Trenton, N. J.	44.3.	B.S. 1934, Buffalo College M.S. 1938, New York University	
Glean Jose Cliege, Trenton, N. J.		Goldberg, Beverly Ann	
Glean, Jean Claire Glenn, John Ralston Glenn, Leo Clarence Glenn Palak P	D.C.	Goldberg, Carl	DC.
Glenn, Leo Clarence	Pa. III.	Goldberg, Carl Goldberg, Charles Herbert Goldberg, David	DC.
	III.	Goldberg, David	I. A.
A.D. 1940. University of March	N.C.	Goldberg, Fred	NI.
Carolina Glenn Porta		Goldberg, George Milton	DC.
Glenn, Rosemary Glesaner, John William Glettler, Bernard Urbam Glew, William Bainbridge	N.J. D.C.	Goldberg, Irving A.B. 1948, The George Washingson	DC. DC. NYL. DX.
Glettler, Bernard Urban	D.C.		
Glew, William Bainbridge	MARCIN	Goldberg, Jack Goldberg, Martin Herbert	DC
Glickman, Lois	D.C.	Goldberg, Martin Herbert	DC.
Glidden Walter	D.C. N.J. D.C.		DC.
A.B. 1044 Vale Vi	Mass.	LL.B. 1940, Columbus University	
Glickman, Lois Glickman, Walter Glidden, William Townsend A.B. 1944, Yale University Glisson, Janet Maria Glockler, Walter Hallberg, Sr.		Goldberg, Monroe Bernard	D.C.
Glockler, Walter Hallberg, Sr. Gloden, Felix Anthony	D.C.	B.S. 1948, Wilson Teachers College A.M. 1941, The George Washington	
Gloden, Felix Anthony	D.C.	CHIACIBILA	3
	Maine	Goldberg, Murrey David	Md.
	D.C.	Goldberg, Seymong	DC
Glorioso, Anthony Robert Glover, Barbara Douglas	D.C. S.C. D.C.	Goldberg, Solomon Charles	D.C.
	S.C.	A.B. 1048. University of Virginia Goldberg, Stanley	
Glover, Clarence Kinsey Glover, Donald Jackson	D.C.	A.B. 1047 A.M. 1048 Th. C.	D.C
Glover, Donald Jackson	Va. D.C		
Glover, John William Glover, Katharine Williams Glover, Winifred	Mass.	Ciologiatt, Myman	DC
Glover, Katharine Williams	SC	Golden, Leonold	DC
Glovinsky, Sam Glowacki, John Henry Gloyd, Mary Caroline Gloyd, William Cromwell Glynn, Ernest Belfer Gnatt, Philip M. Gnatt, Solomon	Va.	Goldenberg, Jacqueline Rose	DC. DC.
Glowacki, John Hanne	D.C.		12 (
Gloyd, Mary Carolina	Pa.	Goldier D. Louise Marilus	DC.
Gloyd, William Cromwell	D.C	Goldkind, Victor Herbert	DC.
Glynn, Ernest Belfer	Md.	Goldman, Albert Lawrence Goldman, Alfred Merton	DC.
Gana S-lip M.	Mass.	Goldman, Elliot Graham	DC
Gnatt. Solomon	D.C.	Goldman, Gerald Jack	NY.
B.S. 1947, Wilson Teachers College Gochnous B.	and their t	Goldman, Harry	Va
Gochnous Pan F	Conn.	Goldman, Morton	DC
	Pa.	B.S. 1042 Rhode Island Cons. C. II	RI.
Goda, George	D.C.		
Godber Walter Swanson	D.C.	D.S. 1948, Massachusette Institute -	1
Godbey, Gloria Swanson Godbey, Walter Braxton, Jr. Godbold, Bryghte David	D.C. D.C. D.C.		
A.M TOTAL CO.	Va.	Goldman, Samuel Zachary Goldman, William Allen	DC.
Goddard, Chester Lee		Coldsand, Konald Homand	Va.
Goddard, James Lee	Ohio	Goldsborough, George Joseph, I.	N.Y
Goddard, James Lee Goddard, William Francis	Md D.C.	Goldsborough, George Joseph, Jr. B.S. 1947. United States Marine	Md.
	D.C.	Academy	

		0.11	W.Va.
Caldeniah Harbert	N.Y.	Goodwin, Thomas Addison	441
B.Ch.E. 1940, College of the City		A.B. 1942, Washington and Jeneral	
D.Ch.E. 1940, Correge of the Corp.		College	Va.
Caldenish Jarres I awrence	N.Y.	Goodwyn, Jean Bundy	
of New York Goldsmith, Jerry Lawrence Goldstein, Allen Abbey Lobe's College	D.C.	A.B. 1946, College of William and	
A.B. 1947. St. John's College Goldstein, Benjamin		Mary	Wash-
C. Lineia Beniamin	D.C.		***
D.C. and M.R.A. 1002 College of		B.S in A.E. 1940, University of	
B.S. 1031, M.B.A. 1932, College of the City of New York		Washington	N.Y. D.C. N.Y. D.C.
Caldania Daniel	Md.	Goray, Stanley Joseph	D.C.
Goldstein, Daniel		Gordon, Alexander Rola	N.Y.
B.S. 1948, University of Baltimore Goldstein, Dorothy Muriel	D.C.	Gordon, Alexander Kola Gordon, Andrew Frasar Gordon, Bonnie Jean Gordon, Ethel Hodges A.B. 1928, The George Washington University	D.C.
A.B. 1947. Ohio State University		Gordon, Bonnie Jean	KJ.
A.B. 1947, Onto State Outresty	D.C.	Gordon, Ethel Hodges	
Goldstein, Esther Goldstein, Howard Samuel	N.Y.	A.B. 1928, The George Washington	
Goldstein, Howard Samuel		University	Va-
B.S. 1948, Roanoke College	N.J. D.C. N.Y.	Gordon, Eva Elaine Gordon, Francis Guthrie	Va.
Goldstein, June Ruth Goldstein, Morton A.B. 1948, The George Washington	D.C.	Gordon, Francis Guthrie	p.C.
Goldstein, June Kuth	NY		D.C.
Goldstein, Morton	24.4.	Clan Harold	Ind.
A.B. 1948, The George Washington		Gordon, Herbert Stephan	
University	DC	A.B. 1947, Indiana Culterers	Va.
Goldstein, Raymond Norman Goldstein, Rita	D.C. N.Y.		
Goldstein, Kita		B.S. 1948, Georgetown University	p.C.
B.S. 1948, Brooklyn College Goldstein, Robert Bruce Goldstein, Walter Carl Golibart, Robert Washington	D.C.	Gordon, Irma Louise	
Goldstein, Robert Bruce	NY	D.S. 1047 Wilson Inches	Va.
Goldstein, Walter Carl	DC	Gordon, James Kirke	Mass.
Golibart, Robert Washington	N.Y. D.C D.C.	Gordon, James Kirke Gordon, Paul	D.C.
Golightiy, Robert E.	D.C.	Gordon, Paul Gordon, Paul Gordo	p.C.
Golin, Gerald_	D.C.	Gordon Raymond Joseph	
Golis, Joseph Francis	D.C.	B.S. 1048. Georgetown University	Va.
Golodner, Sylvia	D.C.	Cordon Richard Arthur	Va.
Calara Inna Carolin	Pa.	Gordon, Raymond Joseph B.S. 1948, Georgetown University Gordon, Richard Arthur Gordon, Robert Emmet A.R. 1942, Williams College	
Gomez-Disdier, Rafael M. Pue	erto Rico	A.B. 1942, Williams College M.D. 1946, Long Island College of	
Gonda, Helen Suzanne	5 %	M.D. 1046 Long Island College on	
Candal John Robert	Pa.		D.C.
Gondal, John Robert	D.C.	Gordon, Robert N. A.B. 1048, University of Buffalo Gordon, Ruby Nell Gordon, Stewart Lynel	
Gonzales, Julio Enrique		A B 1048 University of Bullato	Tena.
LL.D. 1948, Col. Mayor N.S.R.	D.C.	Cardon Ruby Nell	Va-
Gonzalez, Abraham	Md.	Cordon, Rusy I Lynell	Vs.
Good, Charles Lloyd	water.	Gordon, Stewart Lynn	Mass.
B.S. in Ch.E. 1942, Purque Chives	Va.	Gordon, Ruby Neil Gordon, Stewart Lynell Gordon, Thomas Cooper Gordon, Wanda Przybylski Gordon, Woodrow Wilson A. R. 1012 Randolph-Macon College	Va.
Good, Gloria Juanita	0.00	Gordon, Wanda 2 1270700	
Good, Grace	N.Y.	Gordon, Woodrow Wilson A.B. 1935, Randolph-Macon College Gordon, Zara A.B. 1942, University of Maryland Gore, John William A.R. 1942, Shepherd College	p.C.
Good, Norman Leese	D.C.	A.B. 1935, Kandotpu-	_
Good, William Horsley	D.C.	Gordon, Zara	W.Va.
Goode, Charles Andrew	Va.	A B. 1947, University	
Goodfriend, Arnold Irwin	N.Y.	Gore, John William College	D.C.
Goodinend, Anhua Raumand Is	Va.	A.B. 1947, Shepherd Control	Va. D.C. Md.
Gooding, Arthur Raymond, Jr.	Aria.	Gore, Mary Augusta	p.C.
Goodman, Clifford James		Gore, Thomas Jackson, J.	Md.
B.S. 1947, The George Washington	18	Gore, John William A.B. 1047, Shepherd College Gore, Mary Augusta Gore, Thomas Jackson, Jr. Gore, William Fred	N.L.
University	Va.	Goren, Howard J.	p.C.
Goodman, Glenn Winfield	D.C.	Gorea, William & Long Gorea, Howard J. Gorizyia, Janina Maria Gorman, Alan Bernard Gorman, Charles Thomas Gorman, Marilyn Jane	N.J. D.Y. N.Y.
Goodman, Sanford Gerald		Gorman, Alan Bernard	N.Y.
	N.Y.	Gorman, Charles Thomas	
B.S. 1017. State Teachers College, Buffalo, N. Y		Gorman, Marilyn Jane	
Buffalo, N. Y		Gorman, Marilyn Jane A.B. 1947. Barnard College A.M. 1948. Yale University A.M. Palett Fluer	p.C.
A.M. 1050. State Teachers College New York, N. Y.	B ₁	A.M. 1948, Yale University	N.J.
New York, N. Y.		Gorman, Robert Elmer	D.C.
Goodnight, Lyman Evans, Jr.	SABILI.		D.C. N.J. D.C. Va
Conducture Maurice Carroll	Tex		Md
A.B. 1941, Texas Technological Co	ollege		n.daine
Goodrich, Bernard Arthur	D.C.	Goanell, Arthur Lewis	Nebr
Goodrich, Edward Caros	Va.		-li
Conducid Daniel	D.C.		Great Control
Goodsaid, Daniel	meeto Rico	Gotschall, Gale Parkison LL.B. 1941, Washington College	D.C
Goodsaid, George Herman Goodson, Solon Augustus	V-		Va.
Goodson, Solon Augustus	D.C.	Gott, Eugene Cissel	D.C
Goodwin, Jack Warren	D.C.	Gottesman, Alexander Morey	N.Y
B.S., E.E. 1947, Tri-State College	200	Gott, Eugene Cisser Gottesman, Alexander Morry Gotthardt, Mary Ann Cotthardt, Mary Intvins	
Goodson, Solon Augustus Goodwin, Jack Warren B.S., E.E. 1947, Tri-State Colleg Goodwin, Joseph Daniel Goodwin, Paul Russell Goodwin, Paul Russell Maine	D.C.	Gotthardt, Marvin Irving Gottlieb, Marvin Irving A.B. 1947. New York	D.C
Goodwin, Paul Russell	Va	A R 1047. New York University	2
B.S. 1011. Cultivalently of internal		Gottacho, Marie Helens	
Goodwin, Robert Joseph	D.C.	. Constant man	

	0			
	Gottsegen, Annette Sherman	D.C.	Grasso, Michael	
	B.B.A. 1936. College of the City of New York Gottshall, William Holt A.B. 1948. Alleghour College	ar ver	RS 1046 Buckmell II-1	N.J
	Gandle York		Grassy, Richard George B.S. 1933, University of Cincinnati Grauer, Oscar Haskel	
	Gottshall, William Holt	D.C.	RS tota University of C'	Va.
	A.B. 1948, Allegheny College Gouge, John Oscar Gouge, Susan Cornelia B.S. 1048	٥.٠.	Graner Orone Warted	
	Gouge, John Oscar	Va.	Grauman France Bust	D.C.
	Gouge, Susan Cornelia	D.C.	Grauman, Franny Ruth Gravatte, Robert Howerton, Jr.	N.Y.
	B.S. 1948, The George Washington Curiversity Gould, Eugene	۵.٠.	Oravatte, Robert Howerton, Jr.	DC
	Chiversity		B.A. 1943, LL.B. 1947. University	
	Gould, Eugene	D.C.	Crawa Jaha B	
	Gould, George Marvin Gould, Stanley Kay Gould, Warren Goulden Herber F.L.	Md.	Graves, Joseph Basil	D.C.
	Gould, Stanley Kay	Dic.	Graves, Joseph Basil	D.C.
	Gould, Warren	DC.	Gravette, Marian Maxine	
	Goulden, Herbert Edward	DC.	A.B. 1940, State University of Iowa	- · · · ·
	Goulden, Paul Vincent	Pa.		N.C.
	Goulden, Paul Vincent B.S. 1936, Mount St. Mary College Gours, Nicholas Peter Gourley, Roy Goue	Md.	A.D. 1948, The George Washington	04160
	Goumas, Nicholas Peter	100	CHIVEISILY	
	Gourley, Roy George B.S. 1948, University of Alabama Govan, Colin M.	DC	Gravitz, Melvin A.	D.C.
	B.S. 1048 University of ALL	Pa	Gray, Beatrice Mason A.B. 1922, University of Michigan Gray, Bill Lawrence	D.C.
	Govan, Colin M.	93	A.B. 1932, University of Michigan	2.0.
	GOVE Robert F	Pa.	Gray, Bill Lawrence	T-
	Grahowski Edwin E	Pa	Gray, Daniel William	Ry. D.C.
	A.B. 1047 The Course W	111.	Giray Dorothy Issue	D.C.
	Grabowski, Edwin F. A.B. 1947. The George Washington University		Gray, Frederick Charles, Jr.	Pa.
	Grado Anchon 7 1			Va.
	Grady, John David T-	N.Y.	Gray, James Cecil	Wash.
	Grady, John David, Jr. Grady, Joseph William Grady, Marcia Anne	N.Y. D.C. R.I. D.C.	Gray, James Cecil Gray, John Allan Gray, John Thomas Gray, Kenneth Marvin	13 (
	Grady Marcia America	RI	Gray, John Thomas	N.J.
	Grady Robert Manie	DC	Gray, Kenneth Marvin	N.J. Va.
	Grady Thomas Pour		Gray, Lawrence James	Md.
	Gracie Docothy A	DC.	Gray, Lawrence Illysses	Va.
	Graf. Alfred Gone	DC.	A.B. 1948. The Genree West	Va.
	Grady, Marcia Anne Grady, Robert Morris Grady, Thomas Burton Graele, Dorothy A. Graf, Alfred Geza Graff, Wendell Eugene Grage, Grage Robert	DC. DC. NY.	Gray, Lawrence James Gray, Lawrence Ulyssen A.B. 1948, The George Washington University	
	Gragg, George Root	Pa. D C	Gray, Louis Patrick B.S. 1940, United States Naval	-
	Graham, Beatrice Mae	DC	B.S. 1940 United States No. 6	Ten.
	A B took II-	Nebr.	Academy Academy	
	A.B. 1928, University of Nebraska Graham, Edward Regis B.S. in Ed. 1924			
	R S E E E	Pa.	Ph R 1006 Pombario	D.C
	Toucher C Valifornia State		Grav Robert John College	
	B.S. in Ed. 1941, California State Teachers College Graham, George Greenfield, Jr. Graham, Herbert McCarty Graham, Jack Eugene B.S. 1948 Simpson C. II		Ph.B. 1926, Pembroke College Gray, Robert John Gray, Sara Alexander B.S. 1948, Western Reserve Universit Graybeal, John Olin	N.J.
	Graham Hashan Breenheld, Jr.	Pa. N.Y.	RS total Warman	Va.
	Graham lack E-	N. Y.	Graybeal, John Olin Reserve University	TV.
	BS 1048 Simene	Iowa	RS 1044 C-11	Wash.
	B S. 1948, Simpson College Graham, Robert Albary Graham, William Griffith	30	B.S. 1943, College of Puget Sound	TV GARA,
	Graham William C. in	Tex.	Grayson, Howard Avory Grayson, Sibyl Doris Grazel, Helen	D.C.
	BS 1046 Heinsth	D.C.	Grazel Helen	Va.
	B.S. 1946, United States Naval		Greaver, Keith Carpenter B.S. Toat University	D.C.
			Greaves Waish Comer	DC
	Graim, Richard Joseph	Va.	B.C., Reith Carpenter	Yalah.
	Grainger, Inslee Ebissa	Va.	George John, University of Ideho	Ideho
	D.S. In Ed. 1936, A.M. 1940.	v al .	B.S. 1941, University of Idaho Greco, Jacqueline Pauline B.S. 1945	90
	Grainger, Insice Ebissa B.S. in Ed. 1936, A.M. 1940, University of Virginia Grainger, Sarah Ann Grainick, Paul Philip A.B. 1930, Brooklyn College		B.S. 1945. St. Joseph's College Greear. Mary Alese Greeley, Helen Louise	Pa.
	Grainger, Sarah Ann	NY.	Const. Mary Alese	200
,	Grainick, Paul Philip	N.Y.	Orceley, Helen Louise	D.C.
	A.B. 1919. Brooklyn College Gramann, Robert George	24.2.	Green, Aneck Harold Green, Ang Jeanstee	R.I.
3	gramann, Robert George	212	Green, Aneck Harold	20
3	Grammer, David Allen, Jr.	III.	Green. Ann Jeannette	D.C.
		N.M.	BS 1646 Wilson Teachers College Green, Anleigh William Green Bonnie Condi	D.C.
	Mandidan he	D.C.	Green, Arleigh Williams College	
5	Granger, Clifford Robert Granger, Patricia Laura	1)(Green Bonnie Carol Green, Charles Yancey, Jr.	Md.
	ranger. Chilord Robert	NJ.	Green, Charles Vancon 1-	Va
- (Plano Mario	N I. N I. Va.	Green, Edward Harrison	Tenn
-	Brant. Blaine Dodds	Va.		DC
	Walle, Charmain France	12.	VICER Para	SC
		Va	BS tota Town To	N.M.
(Frant, Leonard J.	Ala	Green Gerald Texas Technological College)
-	THE L. Ultimod Will.	Ala N Y N.J.	B.S. 1940, Texas Technological College Green, Gerald Green, Gloria Melva	Pa.
(rant. Sybil A.	N. I.	Green Handa Melva	Pa.
	William I am a	Pa.	Green Harold Arnold	N.Y.
	BS in F. Elliott		Be Harold Hoadly, Jr.	Oki
-	Fanville, E.E. 1942, Purdue University	Md.	Dis. in E.E. 1947, Purdue Haling	Ohio
0	BS in E.E. 1942. Purdue University	DC	Green, Gloria Melva Green, Harold Arnold Green, Harold Hoadly, Jr. B.S. in E.E. 1947, Purden University Green, Jack Allen Green, James W.	20
	Re. Louis William	DC		D.C.
C	1944. Missouri School of Mr.	Mo.	Green, Jason	D.C. D.C.
	B.S. 1944. Missouri School of Mines	70	Green, Jess Downing, Jr.	D.C.
		Pa.	A.B. 1944. University of Kansas City	V4
			City	

		- 11 1	NI
Green, John Clarence, Jr. Green, John Henry Green, Lillian Jean	Va.	Greenspan, Norman Aaron	N.J.
Green, John Henry	D.C.	Greenspan, Joanne Thompson Greenstein, Paul J.	D.C. N.Y
Green, Lillian Jean	DC.	Greenstein, Faul J.	N.Y
Careen, Ivialy Flances	Ala. N.Y.	Greenstein, Sidney Greenville, Henry James	Md.
	14.1.	Greenville, Henry James B.S. 1948, University of Maryland Greenwald, Charlis Smason Greenwald, Robert Greenwald, Robert Frederick Greenwald, Robert Frederick Greenwand, Gayle Marianne	197.4
L.I. B. 1041. Columbia University	Ky.	Greenwald, Charlis Smason	Tex.
Green, Otis LeRoy	D.C.	Greenwald, Robert	Mass.
Green, Paul Gerault B.S. 1026, M.S. 1935, Kansas State Teachers College Green, Richard Etter A.B. 1947, The George Washington University		Greenwald, Robert Frederick	NY. Tex.
Teachers College		Greenwald, Robert Frederick	DC.
Green, Richard Etter	D.C.	Greenwood, Gayle Marianne Greenwood, Russell George Greenzaid, Judah	314.
A.B. 1947, The George Washington		Greenwood, Russell George	DC.
University	2.61	Greenzaid, Judan	DC.
	Md.	Greer, Robert Emerson, Jr. Greer, Thomas Jefferson, Jr. Gregg, James Calvin	Tex.
A.B. 1942. Clark University B.S. in E.E. 1948, University of		Green lames Calvin	Pa.
B.S. in E.E. 1948, University of		Gregory, Elizabeth Ann	Ind
Michigan George Robert Henry	DC.	Gregory, Elizabeth Ann Gregory, Estella Hazael	D.C.
Green, Robert Henry Green, Robert Mason Green, Robert William	Va Va.	A.B. 1020, College of Wooster Gregory, William Lyte	Colo
Green, Robert William	Va.	Gregory, William Lyte	
Green, Samuel Green, Stanley Keith Green, Willard Arthur Green, William Oliver, Jr.	D.C.	A.B. 1010, A.M. 1940, Onited	
Green, Samuel Green, Stanley Keith Green, Willard Arthur Green, Willam Oliver, Jr. Greenbaum, Hilda Joan	V2.	Denver	Va
Green, Willard Arthur	DC.	Grenadier, Albert Harold Grenan, Marie Margaret	D.C.
Green, William Oliver, Jr.	DC.		Va.
Greenbaum, Hilda Joan Greenberg, Alfred Henry	DC.	A.B. 1048, College of William and	
	131122	Mary	Md.
	111	Gresser. Seymour Gerald	Towa
A.B. 1948, University of Massachuse Greenberg, Bernard Louis	D.C.	Greteman, Genevieve Mary Greville, Thomas Nall Eden	DC.
A.B. 1041. Oberlin College		Greville, Thomas Nall Eden	
A.B. 1941, Oberlin College Greenberg, Bertram	D.C.	A.B. 1930, University of the South A.M. 1932, Ph.D. 1933, University	ol
	Mass.	A.M. 1033, Ph.D. 1933, Oniversity	
Greenberg, Joyce Ann Greenberg, Mack Kenneth	D.C.	Michigan	100 -
Greenberg, Mack Kenneth	Mass	AB. 1941. Nagpur University, India	11.1
I B 1017. Molton University	DC	Grey, James Preston	pc
Greenberg, Marvin Paul Greenberg, Phyllis Sandra	DC.	Grewal, Rajwant Kaur A.B. 1941, Nagpur University, India Grev. Lames Preston Grev. Leo	Conf
Greenberg, Phyllis Sandra Greenberg, Sidney	Mass.	Cirickis, Ann Margaret	D.C.
B.S. 1940, University of Massachuset	tts	Grier, Harold Thomas	M
Greene. Barbara Louise	20102.	Griesemer, Edward Thomas	310.
Greene, Barbara Markham	DC.	Griffin, Charles Donald	
Greene Carrie Lee	DC.	B.S. 1927, United States Naval	
Greene, Claire Lena B.S. 1045, Teachers College of	Va.	M.S. 1937. University of Michigan	1'3
B.S. 1945, Teachers College of		Griffin, Charles William, Jr.	V'a
Connecticut	NY	G. James Edward	22.60
Greene, David F.	Md	Grohn, Leonard Lee	3.0
Greene, Edward Allen Greene, Edward Hickman	La	Griffin Legie	310
Greene, Gale Kensington	Conn.	Griffin, Lindon Larkin	1.6.
Greene, Harold H	DC		
Greene, Jesse Lester	DC	B.S. 1946, University of Item	DC
Greene, Jesse Lester Greene, John Ellsworth	DC		170
	Va	Griffin, Patricia Ruth B.S. in Ed. 1948, University of	
A B 1047, Eastern Nazarene College	2		NY
	SC.	Griffing Willard Earl	pc
BS 1941. Catholic University of		Griffing, Willard Earl Griffith, Benjamin Roberts	Md
America	Ind.	Griffith, Cleo Sharpe	-
Greene, Robert Ellis	NY.	B.S. 1918, Columbia University	Tenn.
Greene, Sidney		Griffith, Eugene Everett	
B.S. 1040, College of the City of New York		A.B. 1018, The George Washing	
Greene, Walter Scott	Va.	University Columbia University	N 1.
Greene, Walter Scott B.S. 1010, Syracuse University		A M. 1938. Columbia University	W Va
Greenfield, Julius William Greenfield, Virginia Louise	NY.		Tann.
Greenfield, Virginia Louise	NY. DC. NY.	Griffith, Richard Darrel Griffith, Rubve Elizabeth	Can 101.1
Greenhouse, Samuel W	NY.	Griffith, Shirley Ann	1,7
B.S. 1918, College of the City of		Griffithe Mary Cecelia	D.C.
New York	111	Griffitts. Muriel Elaine	D.C.
Greenlee, David Lasley	Ind	Grings, Lorraine Washington	
Greensean, Louis	DC	Grings, Lorraine A.B. 1048, The George Washington	Ohio
A.B. 1941, New York State College			Chilo
for Teachers		Grimani, Fred Joseph	

Grimes, James Foster	Va.	Guerrant, William Samuel, Jr. Guerrero, Margarita	Va.
Grimes, John Francis	D.C.	Guerrero, Margarita	D.C.
Grimes, John Francis Grimes, Willard Mudget, Jr.	D.C. N.Y.	Guerrero, Margarita Guess, Edward Preston	Va.
B.S. 1940, Wagner Memorial Luthers	n	Guggisberg, Marie	Minn.
College	144	A.B. 1948, University of Minnesota	200111111
College Which Walaha	Va.	Guice, Lohren Clifford	N.C.
Grimes, Winifred Wright Grimm, Robert John	77.75		
Grimm, Robert John	N.Y.	Guida, Philip Fred	Conn.
Grimmett, Talmage Pomeroy	Idaho	Guidette, Bernice Claudia	D.C.
Grimwood, Gordon B.	Kans.	Doctor of Chemistry 1934, University	
A.B. 1948, The George Washington		of Rome, Italy	
University		Guild, Henley Lyman	Va.
Grimwood, Rebecca Foxworth	Miss.	A.B. 1947, Johns Hopkins University	
Cimwood, Repetta Foxworth		C. March Chamber Chamber	DC
Grinnell, John Robert	Mass.	Guilford, Martha Chapman	D.C.
Grisel, Charles Robert	N.J.	A.B. 1948, Alabama State College	
Grisham, Ethel Marguerite	Colo.	for Women	
	D.C.	Guillaudeu. Virginia Ide	D.C.
Grivas, Spiro James Grobman, William B.S. in E.E. 1944, Rutgers Universi Grodin, Herbert	D.C.	A.B. 1945. University of Colorado	
Crobmon William	NII	Guimond Joseph Alexandre	Ohio
D.C. i. P.P Dutana III-inani	24-7-	A B sees TI B sees Western	Onio
D.S. in E.E. 1944, Rutgers Universi	LY	Guimond, Joseph Alexandre A.B. 1931, LL.B. 1933, Western Reserve University	
Grodin, Herbert	N.Y.	Reserve University	***
Groening, Ralph Edward	D.C.	Guinan, Warren Alonzo	Nebr.
Groettum, Theodore Roger	D.C.	A.B. 1943, University of Nebraska	
Grodin, Herbert Groening, Ralph Edward Groettum, Theodore Roger Grogan, Charles Henry B.S. 1941, The George Washington	D.C. D.C. Va.	Guinn, Robert Edward	D.C.
RS 1041 The George Washington		Gula, Michael, Ir.	NI
B.S. 1941, The George Washington University		Gulbrandson Don	N.J. D.C.
Conversity	Va.	A.B. 1943, University of Nebraska Guinn. Robert Edward Gula, Michael. Jr. Gulbrandson. Don B.S. in C.E. 1941. The George Washington University C. II. Hall Paid	D.C.
Grogan, John Barry	Va.	B.S. in C.E. 1941, The George	
Grogan, John Barry A.B. 1948, The George Washington		Washington University	20.0
University			D.C.
Grondzki, Frances Marie	Wis.	A.B. 1938, The George Washington	
Groom, Phyllis P. B.S. 1946, Miami University Grose, William Burton	D.C.	In amora se v	
BS 1046 Miami University		Gulewicz Edward John	N.Y.
Cone William Ruston	W.Va.	Gulick Richard Green	Va.
Canadan Marca Marcant	D.C.	Gulewicz, Edward John Gulick, Richard Green Gulko, Arnold George	N.Y.
Groseclose, Nancy Margaret	27.0.	D.C. F New York Hairmain	24. 2 .
Gross, Bertrum Myron	Va.	B.Ch.E. 1947, New York University Gulliver, Ann Derby Gump, Lyndon Jay	261
A.B. 1933, A.M. 1935, University		Gulliver, Ann Derby	Md.
A.B. 1933, A.M. 1935, University of Pennsylvania		Gump, Lyndon Jay Gunn, Frederick Allen	
Gross, Donald Lee	Pa.	Gunn, Frederick Allen	Va.
Gross, Jean Elizabeth	D.C.	Gunnell, Jane Anne	Fla.
Gross, Martin Gross, William, Jr.	D.C.	Gunnell, Jane Anne Gunner, Charles Anthony Gunnell Seymour David	N.J.
Gross William Ir	Wis.	Gunad Sermont David	NV
Grosse-Lohmann, Ralph	Md.	Curches John Joseph	Kans.
Grove Jose Reseate Je	Va.		Mails.
Grove, Jesse Barrett, Jr. B.S. 1939, Virginia Polytechnic	Val.	A.B. 1947. Kansas City University	-
D.S. 1939, Virginia Polytechnic		Gunther, Patricia Ann	D.C.
Institute	_	Gunther, Robert Muir Gustafson, Harris Finley Gustafson, Joan Clara Gustafson, Melbourne G. A.B. 1938, Augustana College	D.C.
Grove, William Blatchford, Jr.	Pa.	Gustafson, Harris Finley	Minn.
Grover, Stephen Lee	D.C.	Gustafson, Joan Clara	N.J.
A.B. 1948. Yale University		Gustafana Malhamana G	Va.
Groves, Gerald Richard	D.C. D.C. D.C.	A B and Avenue Callege	VA.
Groves Nancy Alice	DC	A.B. 1918, Augustana College	2//
Conves Stanley Coolers	D.C.	Gutberlet, Joseph Robert Gutches, George Andrew	Md.
Groves, Stanley Corley	D.C.	Gutches, George Andrew	D.C.
Grubo, Darbara Ann	Md.	Crutekunst, E. Urace	Pa.
Grove, William Biatchiord, Jr. Grover, Stephen Lee A.B. 1948, Yale University Groves, Gerald Richard Groves, Stanley Coley Grubb, Barbara Ann Grubbo, Violet Davis Grubbs, Beryl Schaum Grubbs, Eli	Okla.	B.S. 1945, Duquesne University A.M. 1945, Columbia University	
Grubbs, Beryl Schaum	Pa.	AM 1045 Columbia University	
Grubic, Eli	Va.	Cush Washers Inline	N.Y.
A.B., LL.B. 1939, LL.M. 1948, The		Guth, Herbert Julius	14.1.
George Washington Ilnimeria		A.B. 1937. University of Wisconsin	
George Washington University Gruendyke. Richard Nelson	Pl.	Gutheim, Marjorie Frye	Mass.
	Fla.	A.B. 1937, A.M. 1938, Radcliffe	
Grumbly, Richard Francis	D.C.	College	
Grumling, Albert John Grunberg, Maurice	Pa.	Cusham Hates Kalles	DC
Grunberg, Maurice	D.C.	Gutnory, Opton Kener	2.0.
Gruner, Elaine	Fla.	Guthory, Upton Keller Guthrie. Eugene Harding Guthrie. William Joseph, Jr. Gutierrez, del Rio Blanca	Md.
Grunfelder, Conrad	Md.	Guthrie, William Joseph, Jr.	Mass.
Country Dural C. 1		Gutierrez, del Rio Blanca Puer	to Rico
Grunsten, Russell Carl	Fla.	A.B. in Ed. 1931, University of	
Grusky, Reuben Ph.B. 1918, Yale University	N.Y.	Puerto Rico	
Ph.B. 1918, Yale University		O . '1 V.I F Y-	3.5
Gude, Gilbert	Md.	Gutridge, John Everette, Jr.	Va.
B.S. 1048. Cornell University		Guy, John Phillip	D.C.
Gudgen, Royal Wheeler, Jr.	Fla.	Guy, Robert Irwin	D.C.
Greather Louis Charles	37-	Gurmon Row	T11
Guenther, Louis Charles	Va.	Curren Norman Per	D.C.
A.B. 1934, Southwestern University A.M. 1938, University of Pittsburgh Guerin, Bernard		Ouyen, Horman Ady	D.C.
A.M. 1938, University of Pittsburgh		Gwiazdzinska, Marcella C.	Calif.
Guerin, Bernard	D.C.	Gwynn, Edward Riley	D.C.
Guerra, Alfonso Angel	Tex.	Gutridge, John Everette, Jr. Guy, John Phillip Guy, Robert Irwin Guymon, Roy Guyna, Norman Roy Gwandzinska, Marcella C. Gwynn, Edward Riley Gwynn, Thomas Summers, Jr.	Md
		,,	Tones.

	Haile, Amelia Kolk Va.
II.	
Haack, Clifford William Va.	B.S. 1939, Johns Hopkins University
Haack, Louise Bender Va.	Hailey, Lyman Griffith Hailier, Wilson Duroud D.C.
A.B. 1946, The George Washington	Haiston Stella Fragonia
University	Haithcock, Maynard Kitchin N.C. Halaby, Doris Carlouist D.C.
Haahr, James Christian Minn.	Halaby, Doris Carlouist D.C.
Haapanen, Ethel Phyllis Mass.	Helek Flance B N. L.
Haas, Edward William D.C.	Haldenian John Wallace
A.B. 1016. College of St. Thomas	Hale, Iulia Bowen Vs.
Haas, Everett Leo D.C.	Haley Louis Albin
flaas, I bekla Kichard D.C.	Haley, Peter John Va.
Haas, Wilbert George Nebr.	Haley, Violet Lowry
Haas, William Irvan Pa.	Haley, Peter John Haley, Violet Lowry Halish, Walter George Va. Cons.
Haberman, David Isadore Md.	Hall, Alian
Hackl, Muriel Forster Md.	Hall, Audrey Doney D.C.
Hackler, Windsor Gregory D.C.	Hall, Betsy Martin
A.B. 1937, A.M. 1938, Northwestern	
University	Hall, E. Juanita Hall Fraget Howard D.C.
Hackney, Charles William, Jr. D.C.	Hall, Ernest Howard D.C.
Hackney, Mabel Patra D.C.	Hall, Helen Patricia Hall, Heyward Eurena
A.B. 1932, Morehead State Teachers	Hall, Heyward Eugene Va.
College	Hall James Aldrich
Hackworth, Gloria D.C. Hacskaylo, Edward W.Va.	Hall James Herrick D.C.
Haddad, Adele Sylvia D.C	A B 1042 Raylor University
Haddox, Blaine Morray Va	Hall, James Aldrich Hall, James Granville, Jr. Hall, James Herrick A.B. 1947, Baylor University A.M. 1948, The George Washington
Haddox, Dallas Deryl Va.	
Hadley, Harry Irving Wis	Wall Issis Dannelle
Hadley, Herschel Nixon Wash.	Hall, Jonathan D.C.
A.B. 1939, Whitman College	A.B. 1935, Rollins College
Hadlock, Robert Lewis Kans.	A.M. 1938, Gallaudet College
Haefele, Carlton Walthert Va.	Hall, Joseph Alexander
B.S. 1942, Case Institute of	Hall, Joseph Earl
Technology	Hall, Joseph Earl Hall, Julianne D.C. Hall, Katherine Hall, Liburn Eugene Hall, Lou Ann D.C. Hall, Mabel Elizabeth Hall, Mary Viola Hall, Nathan Gray D.C.
Haefs, Richard Alan D.C.	Hall, Katherine
Haft, Melvin N.Y.	Hall, Lilburn Eugene D.C.
Hagan, Joseph Francis N.Y. Hagan, William Joseph Ph.B. 1942, University of Detroit	Hall, Lou Ann D.C.
Hagan, William Joseph Mich.	Hall, Mabel Elizabeth D.C.
Ph.B. 1942, University of Detroit	Hall, Mary Viola D.C.
Hagedorn, Charles D.C.	Hall, Nathan Gray
Hagedorn, Robert Lee Md. Hageman, Charlotte Soydam Iowa	Hall, Nels G. W.Va.
A B and Various College	Hall, Lou Mahan D.C. Hall, Mary Viola D.C. Hall, Nathan Gray D.C. Hall, Nets G. W.Va. Hall, Patricia Louise Va. Hall, Waverly Dean Va. Hall, William Penrod Hallberg Ernest Van It
A.B. 1026, Vassar College A.M. 1028, Radeliffe College Hagen, William August Ohio	Hall, Waverly Dean Va.
Hagen William August Ohio	Hallberg, Ernest Van, Jr. A.B. 1043, University of Florida Haller, Herbert Noel Pa.
A.B. 1948, Hiram College Hager, Eileen Mae D.C.	A R 1049 University of Florida
Hager, Eileen Mae D.C.	A.B. 1943, University of Florida D.C.
Hager, Florence Betty D.C	Hallman, Clarence Kenneth Md.
Haresteary Stephen William D.C	Hallman, Lois Field
Haggart, Jane D.C	A.B. 1927, Stanford University Va.
Hageenmaker, Thomas George Va.	Hallman, Norma Mae Va.
Haggett, Harry Arthur D.C.	Hallman, Pauline Pearl D.C.
Hagle, Alfred Darius Okla.	Hallock, James Edward D.C.
A.B. in Ed. 1947, Central State	Halloran, Iulia Ann Colo-
College	Hallowist Norman Jerome
Hague, Wilma R. Fla.	Halnerin Militray
A.B. 1931, Florida State College for Women	Halpern, Estner N.Y.
for Women	
Hagy, Harold Henry Kans.	A.B. 1047. The George Washington
A.B. 1938, Kansas Wesleyan	Interstal V
University	Halpern, Louis Harrington D.C.
Hahn, Daniel Boynton, Jr. Fla	Halter, Mary Withers B.S. 1938, University of North
Hahn, David Emanuel W.Va.	B.S. 1938, University of Items
Hahn, Edward Rock Va	Carolina N.Y.
Hahn, Thomas Frederick Kans.	Halvatzis, George S.D.
A.B. 1948, University of Texas	Halverson, Leroy Thomas Nev.
Hahner, Patricia Jeanne D.C.	Ham, Richard D.
Haidt, Harold N.Y.	Hamblen, Dana Harman D.C.
B.S. in Ch.E. 1947, Purdue	Hamblet, Julia Estelle A.B. 1937, Vassar College D.C.
University Haight, Donald James Va.	Hamburger, Irma Belle
Haight, Donald James Va.	Hattourger, Hatta Deriv

TT 1 122			
Hamby, Alice Walters	Ky.	Hanha Casalan Pili .	
A.B. 1943, Transylvania University	acy.		Md.
Hamby, Glenna Gayle	Va.	Hance, Edward	Fla.
Hamby, John Gordon B.M.E. 1947, University of		B.S. 1946, University of South	
B.M.E. 1047 University of	Ky.	Carolina	
Kentucky		Hanchak, Madeline Hutchinson Hancock, Hert Lee, Jr. Hancock, John Cochesses	D.C.
Hamilton, Edwin Earl	9.0	Hancock, Hert Lee, Jr.	D.C.
Hamilton, Eugenia Cheney	Va.		Va
Hamilton Const A.	Mass.	A.B. 1943, Western Maryland	Md.
Hamilton, Grace Anton	Va.		
Hamilton, Howard Pinner	N.Y.	Hancock, Joy Bright Hancock, Katharine I.	
Hamilton, Jack Robert Hamilton, John Newcomb	D.C.	Hancock Katharine I	V.a.
Hamilton, John Newcomb	Va.	AR TOTAL University	
B.S. 1935, University of Maine Hamilton, Kingsley W.		A.B. 1942. University of California	l.
Hamilton, Kingsley W.	Ohio	Hancock, Well	Tenn
A.B. 1931, College of Wooster	Ollio	Hancock, Quinlan Harris	Va.
A.M. 1914. LL.D. 1947. Flatcher		Hand, Elizabeth Jean	N.J.
School of Law and Diplome on		A.B. 1948, Connecticut College Hand, George Eastham	04.3.
A.B. 1933, College of Wooster A.M. 1934, LL.D. 1947, Fletcher School of Law and Diplomacy Hamilton, Lloyd William	200	Hand, George Eastham	Va.
A.B. 1948, The George Washington	D.C.	B.S. 1913. Randsiph-Macon College A.M. 1941, University of Maryland Hand, Mary Elizabeth	VA.
University University		A.M. 1941, University of Magulan	
Hamilton Man M		Hand, Mary Elizabeth	22.0
Hamilton, Mary M.	D.C.	A.B. 1943, Knox College Handelman, Marilyn Lea	N.J.
Hamilton, Pat Ray	W.Va.	Handelman, Marilyn Lea	
Hamilton, Robert Eugene	Ohio	Handeyside, Joseph Burns	Mo.
D.D. In E.E. 1048. Ohio State		Handler, Alvin Irving	Win
		BS in Ed total Small	D.C.
Roger Kirkpatrick	Tenn.	B.S. in Ed. 1939, Syracuse University	
Hamilton, Roger Kirkpatrick Hamilton, Russell Hamilton, Samuel Graham Hamilton, Sydney Francel	D.C.	Handler Charge V	
riamilton, Samuel Graham	Mass.	Handler, Chester J. Handy, Florence B.	D.C.
Hamilton, Sydney Emanuel Hamler, Dollie Rubye	D.C.	Handy, Florence B.	DC
Hamler, Dollie Rubye	Iowa	Handy, John Bruce, Jr A.B. 1943, Washington and Lee	D.C.
Hamlin, Alan Holden	20W.3	A.B. 1943, Washington and Lee	2
Hamlin, Emil	Fla.		
Hamlin, Emil Hamlin, Verna Marjorie	Fla.	Hanes, Betty R. Hanes, Richard Irvin	Ohio
	Tex.	Hanes, Richard Irvin	
A.B. 1946 A.M. 1947 The C	Md.	Flaney, Donald	Va.
A.B. 1946, A.M. 1947. The George Washington University		Haney, Glenda Verdalee	N.C
Hammann, Lois Mary		Hanken, Raymond George	Ark.
Hammarstrom, Everett John	D.C.	B.S. 1918. The General Wash	N'a
A B 1048 Clash VI John	Mass.	B.S. 1938, The George Washington University	
Hammarstrom, Everett John A.B. 1947. Clark University Hammel, Bernet George Hammerly, Amelia H. Hammett, Margaret Mary Hammett, Thomas Francis Hammond, Elizabeth Leah Hammond, Florence S. Himmond, Frank Bertrand Hammond, Harry Krewson B.S. 1938, Lehigh University		Hanley, Charles Hanley, John Charles Hanley, Walter Alfred Hanmer, Frank Joseph B.S. 1938, New York University A.M. 1939, Columbia University Hanna, Jane Edwards Hanna, William Eugene, In	
Hammerly Amelia VI	N.J.	Hanley John Chaster	N.Y.
Hammers Manager H.	Va.	Hanley Walson Alfred	
Hammett, Margaret Mary	D.C	Hanmer French T.	Va.
Hammett, Inomas Francis	D.C.	P.C. Trank Joseph	N.Y
Firmmond, Elizabeth Leah	Va	A. 1938, New York University	
Hammond, Plorence S.	D.C.	A.M. 1939. Columbia University	
mimmond, Frank Bertrand	Md.	Tianna, Jane Edwards	DO
Hammond, Harry Krewson		Hanna, William Eugene, Jr. A B 104" Bradley Polytechnic Institute	D.C
B.S. 1938, Lehigh University Hammond, Hubert Charles, Jr.	Pa.	A B 194" Bradley Polytechnic	m
Hammond Hubert Charles &	10.	Institute	
Hammond, Julian Bryan	Pa.	Hannon, John Vincent	
A.B. 1048. The George Washington	S.C.	Hannon, John Vincens	Md
			N.Y.
Hammond, Kenneth Fabian Hammond, Seymour Blair	_		Mass
Hammond, Seymour Blair	D.C.	AB tore, Darmonth College Hanrahan, Donald Joseph	
B.S. in F.F. to a state	Utah	Hinsel Done El	N.Y
B.S. in E.E. 1945, University of		Hansen All A	D.C
M C. in P. P.		A to Arline Anderson	Calif.
M.S. in E.E. 1948, Cornell		Hansen Arline Anderson A B 1048 The George Washington	Contil.
		University Washington	
Hammons, Att Wingfield, Jr.	Miles	Hansen, Carl	0111
Hampton, James Taylor Hampton, Raymond Merritt	Miss,	AB 1948, University of Caust	Calif.
Hampton, Raymond Marries	Mo		
**************************************	Md.	Hansen, Henry Ossa	_
A.B. 1935. University of	D.C.	B.S. 1930, United States Naval	Iowa
		Academy States Naval	
BS in I S		Hansen Harbon O 71	
College for 7941. George Peabody		Hansen Too D. Hansen	D.C.
B.S. in L.S. 1943. George Peabody College for Teachers Hanan, James Lane		Hannes M.	Vt.
Hanan, James Lane	D.C.	Hansen, Jean Dodde Hansen, Margaret Catolina Hansen, Margaret Catolina	
Figure Van Doham T	25.28	riansen, Martin Edward	D.C.
	N.Y.	Hansen, Martin Edward Hansen, Melvin Robert Hansen, Walter Daniel	Calif.
easingy, Barbara I amin	D.C.	Hansen, Walter Daniel	Nebr.
The Garage W. 1	Md.	Hanson, Henry Is	D.C.
University George Washington		A.B. 1040 Wast	Conn.
		AM Jose Westeyan University	
		Hanson, Henry, Jr. A.B. 1940, Wesleyan University A.M. 1941, Harvard University	

Hanson, Jean Lavonne	Wis.	Harmon, Robert Brooks	D.C.
Hanson, Rosamond B.	S.D.	B.S. 1941, University of Maryland	DC
A.B. 1922, Lake Erie College		Harmstone, Richard Cranning	D.C.
Hanst, Philip Lincoln	N.J.	Harper, Edith Elizabeth	D.C.
Hantman, Alfred	N.Y.	Harper, Francis Roderick, Jr. Harper, Lawrence Mervin	Pa
A.B. 1939, Brooklyn College	n.	Harper, Lawrence Mervin	
rianyok, Andrew	Pa.	A.B. 1942, Pennsylvania State	
Hanyok, Joseph Hanyok, Stephen	Md. Pa.	College Harper, Richard Howard	W.Va.
rianyok, Stephen	Nebr.	Harner Robert Charles	Md.
Hapeman, Lucy Ann A.B. 1946, University of Nebraska	TACOL.	Harper, Robert Charles Harrell, Frances Leone	Va.
Happick, Richard Jay	N.Y.	A.B. in Ed. 1946, Mary Washington	
B.M.E. 1948, Syracuse University		College	227 ash
Haran, Hilda Gay	D.C.	Harrington, Charles Wilmott, Jr.	Wash.
Harbaugh, Eva Luella	Md.	A.B. 1948, The George Washington	
A.B. 1031. A.M. 1940, The George		University	N.Y.
Washington University		Harrington, David Michael Harrington, Dorothy Evelyn	Mass.
Harbaugh, George Harold	D.C.	Harrington, Dorothy Evelyn	N.Y. N.J.
A.B. 1948, Rutgers University	O1:	riarrington, Claime Mary	N.J.
Harbaugh, Marian Page	Ohio	Harrington, John Robert Harrington, Joseph Michael	Iowa
A.B. in Ed. 1945, University of		A R 1044 University of Inva	
Loledo	N.J.	A.B. 1944, University of Iowa LL.B. 1947. The George Washington	D.
Harbold, William Kump	Va.	University	Va.
Hardcastle, Orville Edward		Harris, Benjamin Thompson	Va.
Hardey, James William, Jr. A.B. 1941, University of Maryland Hardin, Dale Wayne	Desc.	Harris, Bernice Layton	D.C.
Hardin Dale Wayne	III.	Harris, Bertha	D.C.
Hardin, Nan Walker	Calif.	Harris, Bertha Harris, Catherine	Va.
Harding Raymond Paul	D.C.	Harris Chanceller Elwood	
Harding, Raymond Paul Harding, Warren Gamaliel	Ind.	B.S. 1934. University of Kentucky	Fla.
Hardy, James Ralph	Va.	B.S. 1934. University of Kentucky Harris, Charles Manning, Jr.	Va.
Hardy, Lawrence Sirrine, Jr.	Va.		
Hardy, William McClure	Wash.	A.B. 1937, Concord College Harris, Emmett Watkins	Va-
Hardy, James Ralph Hardy, Lawrence Strving, Jr. Hardy, William McClure B.S. 1945, University of Oregon Hare, James Donald	DC	Harris, Emmett Watkins	D.C.
Hare, James Donald	D.C.	Harris, Forest Klaire	D.C.
A.B. 1016, A.M. 1037, West Virginia University		A.B. 1934, Brooklyn College	Va.
Virginia University	S.C.		Wa.
Hare, Robert Hayne	0.6.	A.B. 1932, Culver-Stockton College	n.C.
A.B. 1931 Newberry College		Harris, Herschel	D.C.
LL.B. 1935, University of South Carolina			
Hargesheimer, Halbert Vincent	D.C.	B.S. 1946. University of Illinois Harris, John Samuel, Jr. B.S. in Ed. 1943, Wilson Teachers	D.C.
Hargy, Francis Robert	Md.	Harris, John Samuel, Jr. Teachers	
A.B. 1948, The George Washington		B.S. in Ed. 1943, Willow	- C
University			DC. DY.
Haringer, Albert Michael	Va.	Harris, Joseph Milton Harris, Joseph William Harris, Mark	NY.
B.S. 1918, The George Washington		Harris, Joseph William	D.C.
University	Colo.	Harris, Martha Jane	87.00
Harker, Lloyd Harrison	Va.	Harris, Martha lane B.S. 1042, University of Pittsburgh Harris, Melvin Ray	D.C.
Harkless, Calvin McCamey	Mo.	Harris Melvin Ray	Okla.
Harkness, Roger Dale	Va.	Harris, Paul Austin	Va.
Harlan, John Cooper Harlan, Margaret Minerva	Ohio	Harris, Raymond Walker	Town
Harlan, Mary Lucile	Va.	Harris, Paul Austin Harris, Raymond Walker Harris, Richard Carl	-0
Harless, Bernard Griffith	Va.	B.S. 1047, lowa State Conces	D.C.
A.B. 1934. Washington and Lee		Harris, Robert Early B.B.A. 1937, Texas College of Arts and Industries	
University		B.B.A. 1917, Texas Contas	nC.
Harley, Claire	N.Y.	and Industries	D.C.
Harley, Geraldine	Mass.	Harris, Kopert riyman	Md.
Harley, James Ronald Harloff, William Carroll	Pa.	Harris, Ruth Ann Harris, Samuel Henry	Va.
Harloff, William Carroll	Md.	Harris, Samuel Cleary	
Harlow Margaret Helen	Minn.	Harris, Shirley A.B. 1944, Wellesley College	D.C.
A.B. in Ed. 1916, State Teachers College, Bemidji, Minnesota		Harris, I grenta Carreno	Calif.
College, Bemidji, Minnesota		Hacris Virgil Erwin	Va.
A.M. 1941, George Peabody College for Teachers		Harris, Virginia Berenice of Virginia	
Madem Bishard Francis	D.C.	B.S. 1040, University	N.C. D.C.
Harlow, Richard Francis	D.C	Harris, William Oliver	D.C.
Harman, Arthur Crawford, Jr. Harman, Hugh Huebner	D.C. N.Y.	Harris, William Penn	N.C.
Harman, Smith S.	Va.	Harris, Willie Lucille Harris, Zebb Jennings	N.C.
A.B. 1935. Duke University		Harris, Zebb Jennings	Man.
Harmer, Don Stutier	D.C.	Harrison, Alexander	

11			
Harrison, Allan Marion	Va.	Hartmann, Gail Milton	Md.
B.S. 1937, Oregon State College	F. 15	Hartney, James Cuthbert Hartsig, Robert Baker	DC.
Harrison, Archibald Chapman, Jr.	DC.	Hartsig, Robert Baker	Mich.
Harrison, Edna Irene	Mo.	B.S.E 1943, University of Michiga	ın
Harrison, Eleanor Smith	12.	Hartsook, Wallace Woodrow	Va.
Harrison, Elizabeth Toupasz	Md.	Hartzell, Jay Stanley	D.C.
Harrison, Eugene Carter	Va.	B.S.E. 1943, University of Michigs Hartsook, Wallace Woodrow Hartzell, Jay Stanley Harvey, Donald Curtiss	RI. DC.
Harrison, Glenn Charles Harrison, Haldon Roberts	\ a.	Harvey, Gertrude Elvira	DC.
Harrison, Haldon Roberts	la.	A.B. 1927, Waynesburg College	
A.B. 1947. The George Washington		Harvey, Joseph Spencer	D.C.
University		Harvey, Martha Ann	Va.
Harrison, Harry	W 18.	Harvey, Nancy Jane	D.C.
B.S. in E.E. 1985, University of		Harvey, Patrick Richard	Billower.
Arkansas		Harvey, Robert Henry	D.C.
Harrison, John Millard	N.C.	Harvey, Robert Nelson	la.
Harrison, Junius Henry	Md.	Harvie, Robert Wesley	D.C.
Harrison, John Millard Harrison, Junius Henry Harrison, Louis Pincus	Mass.	Harvey, Gertrude Elvira A.B. 1927, Waynesburg College Harvey, Joseph Spencer Harvey, Martha Ann Harvey, Ratha Ann Harvey, Rubert Henry Harvey, Robert Welson Harvie, Robert Wesley A.B. 1944, University of California Harwood, William Robert, Jr.	
Harrison, Mignonette Eulalic	DC.	Harwood, William Robert, Jr.	Md.
Harrison, Robert Francis Harrison, Robert Scott	Md.	Hash, Volney Wade	D.C.
Harrison, Robert Scott	Pa.	H. shim, John Sarkise	Md.
Harrison, Ruth Harrison, Thelma Winifred Harrisa, Florence Hazel	Pa.	BS 1947. University of New	
Harrison, Thelma Winifred	DC.	Hampshire	
Harrisa, Florence Hazel	DC.	Hashmi, Syed Mohammad Tagi	D.C.
Harrold, Clay	13	A.B. 1937, A.M. 1939, Osmania	
Harrold, Clay Harron, Karl LeRoy Harron, Meyer Jacob	D.C. D.C. D.C.	University	
Harron, Meyer Jacob	DC.	Haske, John Reed	DC.
Harrow, Lee Salem	DC.	Haskell Bors	Mass.
B.S. 1946, The George Washington		A.B. 1944. Harvard University	
University		Haskell, James K	Calif.
Harrow, Robert Lee	NY. DC.	Haskins, Elma Hayes	DC.
Hart, Bobby Jack	DC.	Haskins, Margaret Varda	Wis.
Hart, Bobby Jack Hart, Donn C.	ND.	Haslup, Allen Lee	Fla.
B.S.C. 1935, University of North		Unaines Dalores Arlagne	Wise
Dakota		A.B. 1947. The George Washington	*****
Hart, Harold Mathew, Jr.	III.	University	
Hart, Margaret Dawson	Ind.	II wise Denothy Louise	Wis.
Hart, Maurice Wright, Jr.	DC.	Hastings, Dorothy Louise B.S. 1943, State Teachers College, Oshkosh, Wis	44 13.
Hart, Nelson Perry	DC.	B.S. 1943, State Teachers College,	
Hart, Patricia Ann	Okla.	Osnkowa, Wis	DC
Hart, Regina Anne	Pa.	Hastings, Dwight Fellows	D.C.
Hart, Robert Norton	DC.	Hastings, James Riley	DC.
B.S. 1941, Wilson Teachers College Hart, Seward Lyman A.B. 1938, Yanktown College	0.0	Hastings, Jo Anne Frances	DC.
Hart, Seward Lyman	SD.	Hastings, Shirley Elise	Va.
A.B. 1938, Yanktown College		Hastings, William Harris	Conn.
Hart, Stephen Ambrose	Iowa	Haswell, Judyth Ruth	Va.
B.S. 1941, St. Ambrose College LL.B. 1948, Georgetown University		Hatch, Francis Joseph	D.C.
LL.B. 1948, Georgetown University	200	Hatfield, Eldon Lowell	Mich.
Hart, William Dyer	DC.	Hatfield, Ralph Henry	Va.
Hart, William Landrum	Md.	Hathaway, Betty Elaine	Ind.
Hartenberger, Dora A.	Wis.	B.S. 1944. Indiana University	Band.
B.E.E. 1916. Whitewater State		Hathaway, Robert Glenn	D.C.
Teachers College		Hathcote, Martha Luneil	
Harter. Richard Lawrence	Va.		1.3.
Hartfield, Jeanne	DC	Hattis, Russell Elmer	D.C.
Ph.B. 1042, Loyola University Hartford, locelyn Stanlev Hartford, Thomas James, Ir.		B.S. in E.E. 1947, University of	
Hartford, Jocelyn Stanley	Md.	Illinois	7.11
Hartford, Thomas James, Ir.	DC	Hattis, Shirley Lois	III.
Hartigan, Benjamin Strong	N.Y.	Hattox, James Grady	D.C.
Hartle, Rexford Holmes	1'2.	Hauck, Raymond Leahigh	Ind.
Hartley, Hugh Harris	DC.	Hauck, William McRae	Md.
Hartley, Jean Doris	DC	Hauer, Pearl	D.C.
Hartley, Jeanette Rose	TH.	Haugan, Gertrude Marian	D.C.
Hartley, Rexford Francis	Va.	Haupa, Alba	D.C.
Hartley, Thornton Lee	DC	Haupt, Charles Caldwell	D.C.
Hartline, Robert Hind	DC.	Hausch, Adolph Paul	N.Y.
Hartman, Bruce Reiff	Va.		
Hartman, Charles Clifford, Jr.	Calif.	Hause, Benton Arlington	D.C.
Hartman, Harry Edson		Hausman, Helen	D.C.
Hartman Kanneth William	DC.	Hausman, Howard Jay	N.Y.
Hartman, Kenneth William Hartman, Lila	D.C.	A.B. 1939, College of the City of	
	III.	New York	
Hartman, Nona Claire	Calif.	A.M. 1942, New York University	
Hartman, Robert Warner	W.Va.	Haussener, Myron Francis	Pa.

Haut, Milton Joseph	Md.	Head, Robert Vincent	D.C.
B.S. in Ed. 1935, M.S. in Ed. 194 Rutgers University	10,	Headington, Janet Headley, William McKendree	D.C. D.C. Md.
Haudi Olas Masses	Va.	Headley, William McKendree	D.C.
Havell, Olga Marge Haven, Herman	D.C.	Heald, Ruth Virginia Healey, Alan John	D.C.
Haven, Richard Anthony	Va	A.B. 1948, The George Washington	
Havenner, Esther Madeline	D.C.	University	
Havens, William Dodge	D.C.	Hearing, Vincent Joseph Hearn, Alexander McMurray	D.C.
Hawkins, Dorothy Bridgman	Va.	Hearn, Alexander McMurray	Mo. D.C. D.C. D.C. N.C.
B.S. in Ed. 1945. Madison State Teachers College		Heart, Margaret Josephine Heath, Douglas Laird	D.C.
Hawkins, Elizabeth Louise	W.Va.	Heath, Howard Lawton	D.C.
Hawkins, Herman Edmond	Ga.	Heath, Wesley Tyler, Jr.	N.C.
Hawkins, Herschel Bernese	D.C.	Heath, Wesley Tyler, Jr. Heath, William Walter	Ame
Hawkins, Martha Eleanor	N.Y. D.C.	Heavener, Mabel Lankford	Md. Va.
Hawkins, Richard Lyon Hawkins, Thomas Jackson	D.C.	Heavener, Mabel Lankford Heavey, Thomas Jackson B.S. 1917. United States Military	A ar-
Hawkins, Inomas Jackson	D.C. Va.	B.S. 1917. United States Military	
Hawks, Arnold Wayne Hawthorne, Charles Byrd	Va.	Academy Heavner, William Stewart	Pa.
Haxton, Richard Irving	Md.	B.S. in E.E. 1011, Drend Institute	
Haxton, Richard Irving A.B. 1948, The George Washington		B.S. in E.E. 1933, Drezel Institute of Technology Hebda, Edward Albert	D.C.
University		Hebda, Edward Albert	Die
Hay, Maxine Lucy	Mo.	A.B. 1939, Pennsylvania State	
A.B. 1947. Grinnell College Hayden, Ann Elizabeth	D.C.	College Hebda, Edward Florian	Pa.
Hayden, Franklin Ross	Md.	Heberling, Emory Donald	D.C.
Hayden, James Harvard	Md.	Hebert, Paul Edmond	D.C.
	Va.	Hebson, Vincent Kenneth Hecht, Irving Mark	Md.
Hayek, Will J.	D.C.	Hecht, Irving Mark	2000
Flayes, Edward Matthew, Jr.	Maine	B.B.A. 1947. College of the City	
Hayes, Joe	Va. Va.	of New York Hecht, Norman Francis	D.C. D.C.
Hayes, John Keller Hayes, Marilyn Schenck	Md.	Heck James Edward	D.C.
Hayes, Mariorie Israelson	Va	Heck, James Edward Heck, Lena Kate	Tenn. N.D.
Hayes, Patricia Lee	Calif.	Heckman, Dorothy Anita	Towa
Hayes, Robert William	N.Y.	Hedberg, Robert Niles Hedges, Harold Talmadge	D.C.
A.B. 1910. Columbia University	DC	Hedges, Harold Talmadge	Md.
Hayhoe, George Fred, Jr.	D.C.	Hedges, Richard Henry	III.
B.S. 2018. New York University	D.C.	Hedley, Robert Kenneth	W.Va. Nebr-
Haynes, Aubrey Franklin	Tex	Hedrick, Robert Kenny Hedstrom, Azel Bernard Heeney, Elizabeth Anne	D.C.
Haynes, Chester St George	D.C	Heeney, Elizabeth Anne	D
Havnes, Chester St George Havnes, Elfrieda Grace	Iowa	A.B. 1946, State Teachers College Montclair, New Jersey	
Haynes, June Lillian	Va.	Montclair, New Jersey	N.J. D.C.
Haves, Norma Edith	Va	Haffarman John Rantiet	D.C.
Havnes, Robert Eugene	D.C.	Heffernan, John Baptist B.S. 1917, United States Naval	
Hays, Iesse Roland Hays, Ralph Edwin	Pa	Academy	p.C.
A.B. 1947. Central College		Heffin, Deloris Mae	N.Y.
Havs. Raymond Lerov	D.C.	Hefter, Leonard Simon	Mass
A.B. 1946. The George Washington		Henarty, Francis Patrick	Md
University	DC	Hege, Jeremiah Collins B.S. 1942, University of Maryland Collifernia Institute of	
Hays, Woodson Hays	D.C Md.	M.S. 1045. California Institute of	
Hayter, Phyllis Anne A.B 1048, Vassar College	IVIU.	Technology	Mich
Hayward, William Gammon, Jr.	D.C.		
Hazán, Solomon J.	N.Y.	Hegeman, Christine Ruby A.B. 1048. University of Michigan Hege, Haldis Hazel	D.C
A.B. 1947, Brooklyn College		Hegg. Haldis Plazel	Va.
Haze, Robert Hayne	3.C.	Hegler, Erastus Jerome A. M. 1929, Catawba College	Md.
A.B. 1911, Newberry College		Heider, Elizabeth Louise	Mich
LL.B. 1935. University of South		Heiler, Frederick Julius	Mich.
Carolina Hazell, Joseph William, Jr.	Md.	Heiler, Vivian Marie	N.J.
Hazleton, Etta Jo	Kans.	Heiliczer, Joseph Heilmann, Marjory Ann	Md.
Hazur, Paul John	Va.	Heilmann, Marjory Ann	D.C.
A.B. 1948, The George Washington		Heim, Seymour	Va. D.C.
University	241	Heimann, Peter Klavs Heimer, Alice B.	Pa.
Hazzard, Joan Marye	Md.	Heindish, Bernard	D.C.
Head, Almaria Head, Nelson Mead	D.C. Va.	12. in Edward General	D.C.
B.S. 1931, United States Naval	V 81.	Heine, Henry Colegiova	Md.
Academy		Heine, John Montgomery	

Hainaman Court Fred			
Heinemann, Grace Evelyn Heinish, Ned O.	Va.	Hendrin, Arthur Keith	D.C.
A.B. 1042 Marshall College	W.Va.	Henebry, Alfred Garrett	D.C.
A.B. 1942, Marshall College Heinz, Luther Carl	Pa.	B.E.E. 1940, Castleton State Norma School, Vt.	1]
B.S. 1933, United States Naval		Henegar, Harold H.	D.C.
Academy		B.S. 1936, Southwest Missouri Stat	e
Heinzel, Joseph Russell	D.C.	Teachers College	
Heishman, Jennis Rose, Jr.	W.Va.	A.M. 1940, University of Missouri	
Heisler, George Thomas, Jr. Heiss, Harold Burgess	Tenn. Fla.	Henesy, Gregory Thomas Henesy, Thomas Joseph Henke, Dan Ferdinand	D.C.
Hekimian, M. I.	D.C.	Henke Dan Ferdinand	D.C.
Hekimian, M. J. Hekimian, Norris Carroll	D.C.	B.S. 1941. Georgetown University	Tex.
Held, John Carl, Ir	D.C.	B.S. 1943, Georgetown University Henkel, William Curtis	Va.
Helena, Cecil Caryl Helfrich, William Goll Hellan, Ruth Heller, Homer Kelsey	Okla.	Hennessey, Loretta Hickey	D.C.
Helfrich, William Goll	D.C.	B.S. 1945, Wilson Teachers College Hennessy, Charles Edward	
Hellan, Kuth	D.C	Hennessy, Charles Edward	Md.
Heller, Milton	D.C	Hennessy, James Joseph, Jr. Hennessy, John William Hennessy, Vincent Harry	Va.
Heller, Niles Roy	D.C.	Hennessy, Vincent Harry	D.C
B.S. in Ed. 1917. Pennsylvania Sta	ite.	Hennesy, Gerald Craft	D.C.
B.S. in Ed. 1937. Pennsylvania Sta Teachers College, East Stroudsbu	rg	B.S. 1948, University of Maryland	
Heller, Norman Harold	Md.	Hennings, Ardah Perry	D.C.
Hellmuth, James Grant	N.C.	Henoch, Arthur Saul	Va.
B.S. 1948, Yale University Hellums, Jeannine	D.C.	Henretty, Robert Emmett Henrichs, Margaret Virginia	Md. W.Va.
Helm, Herschel Hancock, Jr.	Ky.	Henry, Edwin Stanton, Ir.	D.C.
A.B. 1948, The George Washington	3	Henry, Edwin Stanton, Jr. Henry, Elizabeth Stretch	Va.
University		Henry, Jacqueline Erselle .	Va.
Helmandollar, Elinor Pennington	D.C.	Henry, James Ernest	D.C.
Helms, Frances M.	Va.	B.S. 1948, Wake Forest College	
A.B. 1926, Elon College Helmstetter, Norman Edward	N.I.	Henry, James Faulkner	W.Va.
Helstrom, Warren Richard	III.	Henry, James, Jr.	Va.
A.B. 1943, DePauw University	4.00.	Henry, Katherine Elizabeth	Pa.
A.B. 1943, DePauw University Helton, Henry Stephen A.B. 1937, Wabash College Helton, Lorraine Marie	D.C.	A.B. 1947, University of Pennsylva Henry, Norman Holden	D.C.
A.B. 1937, Wabash College			
A B room Marie	Va.	B.S. 1945, Georgia School of Techno Henry, Thomas Robert Henry, William Hensch, Ruth Edna	ology
A.B. 1935, Marshall College Heltzel, Robert Thomas Helwick, Lloyd Edward Helzer, Charles William	Va.	Henry, Thomas Robert	D.C.
Helwick, Lloyd Edward	HI.	Henry, William	Va.
Helzer, Charles William	Fla	Hensch, Kuth Edna	Va.
B.S. in E.E. 1945, Georgia School of Technology		Hense, James Albert Henshaw, Robert Harvey	Pa.
of lechnology	20.0	Hensley, Guy Stephen	Iowa D.C.
Helzner, Manuel Louis Hemby, John Towney	D.C. Tex	A.B. 1936, University of Oklahoma	D.C.
Hemming, Glen Curtis	Ohio	Hensley, Marjorie	D.C.
Hempstead, Walter Allen, Jr.	Va.	A.B. 1947, The George Washington University	
Hemming, Glen Curtis Hempstead, Walter Allen, Jr. Hendershot, Gladys Elaine	D.C.		
Hendershott, Charles Butler Hendershott, Delores Hagan	D.C	Henson, Chelsea Lucere	D.C.
Hendershott, Delores Hagan	Va	Henson, Edwin Nott, Jr. A.B. 1948, The George Washington	D.C.
Hendershott, Susan Jane	Md.	University	
Henderson, Douglas B.S. 1940, Boston University	Mass.	Henson, William Jackson	D.C.
M.S. 1941, Fletcher School of Law		Hepner, Ethel Ellen	D.C.
and Diplomacy		Hepner, Gerhardt Irving	D.C.
Henderson, Helen Neel	D.C.	Herbert, Edward Leslie	D.C.
Henderson, James Lancaster	Ky.	Herbst, Robert Van Cortlandt	D.C.
B.S. 1939, United States Naval		Herchawkoski, Andrew	Conn.
Academy		Herde, Jean Frances	D.C.
Henderson, Lyle Emerson B.S. 1945, Northwestern University	Wis.	Herdeman, M. Joan	D.C.
Henderson, Mary McCall	D.C.	Hergenrather, Charles Neale	Md.
A.B. 1948, Sweet Briar College	D.C.	A.B. 1948, The George Washington	
Henderson, Robert Angus	D.C.	University Heriot Laura Lingitt	Dian
A.B. 1942, University of Toronto.	27101	Heriot, Laura Lippitt Puer A.B. 1929, The George Washington	to Rico
Canada		University	
Henderson, Russell Stewart	D.C.	Herman, Cecile .	D.C.
Henderson, Sarah R.	Va.	Herman, Celia J. A.B. 1940, Hunter College	N.Y.
Hendrick, Earl George, Jr.	Va.	A.B. 1940, Hunter College	
Hendricks, William Charles Hendrickson, Duane Winthrop	N.C.	Herman, Jack Murray	Mass.
Hendrickson, Edith Orlena	N.Y. W.Va.	B.S. in Ed. 1947, Massachusetts	
THE PROPERTY OF THE PARTY OF TH	W. V Z.	State Teachers College	

Herman, Jack Robert	Va.	Hewitt, Clifford Adelbert	Va.
Herman, Jack Robert A.B. 1943, The George Washington University		B.S. 1937, Columbia University Hewitt, Morris Frank	20
University		Hewitt, Morris Frank	D.C.
Herman, Russel Harold, Jr. Herman, Samuel Sidney	Va.	Hewlett, Glenn Howard	Va.
Herman, Samuel Sidney	Mass	Hewiett. Glenn Howard Hewson, Bertha Evelyn Hewson, John Frederick	· Va.
Hermann, Frank Jefferson Hermanson, Carlos Andres Hernandez, Carlos Juan Puer Herndon, Donald Floyd Herndon, William Clifton, Jr. Herndon, William Jennings, Jr. Hernholm, Edward Pourchasse	Md. D.C.	Henry Shorbana	D.C.
Hernandez Carlos Ivan Pue	rto Rico	Heyo, Shoshana A.M. 1940, Hebrew University Hiatt, Geneva Morrow Hiatt, Howard Herschel	
Herndon Donald Floyd	D.C.	Hiatt. Geneva Morrow	D.C.
Herndon, William Clifton, Ir.	Tex.	Hiatt, Howard Herschel	D.C.
Herndon, William Jennings, Jr.	Tex. Tenn. Va. Va.	Hickerson, John Hightower Hickerson, John Hightower Hickey, Elizabeth Ann Hickey, Robert Edmund Hickok, Ralph B.S. in B.A. 1947, Rutgers Univers Hicks, James Thomas R.S. 1945, A.R. M.S. 1946, Universe	Wash.
Hernholm, Edward Pourchasse	Va.	Hickey, Elizabeth Ann	D.C.
Herold, Frank Beverly	Va.	Hickey, Robert Edmund	Conn.
B.S. 1915. United States Naval		Hickok, Ralph	Ines
Academy	-	B.S. in B.A. 1947, Rutgers Univers	Pa.
Herr, Harriet Martha	Pa.	D.C. Lanes I nomas	iew
	D.C. Mo.	B.S. 1945, A.B., M.S. 1946, Univers	,
Herrick, Doris Cosper B.S. in Ed. 1940, Washington	MIO.	Hicks, John Leslie	Pa.
University		A B 1040 Gettysburg College	2.61
A.B. 1948, The George Washington		A.B. 1949, Gettysburg College Hicks, Louis Edward	Md.
University		A.B. in Govt. 1047. The George Washington University Hicks, Wallace Mitchell	
Herrick, Harold Colton, Ir.	Mo.	Washington University ·	Va-
B.S. 1937, Washington University Herrin, Daniel Monroe, Jr.		Hicks, Wallace Mitchell	La.
Herrin, Daniel Monroe, Jr.	N.C.	Hiemenz, James Glenn	N.C.
Herring, Donald Dewar	Mass.	Hiera, Jasper Theodore	Ind.
Herring, Douglas James	Mass.	Hiester, Oliver W.	
Herring, Jane Miquel Herring, Paul Littleton	Md.	Hiera, Jasper Theodore Hiester, Oliver W. A.B. 1941, Wahash College Highee, Charles Eldon Higgins, Blanche Wirtley Higgins, Edward Leo, Jr. Higgins, Frank Victor B.S. 1941, Bradley Polytechnic Institute	N.M.
Herring, Paul Littleton	Md.	Hispina Blancha Winter	D.C.
B.S. 1946, University of Maryland	D.	Hinging Edward Lee In	311.
Herriott, David Paul, Jr.	R.I.	Higgins, Edward 1980, Jr.	Va-
Herrmann, Thomas Kurt	D.C. Md.	RS 1041 Bradley Polytechnic	
Herron, Frank, Jr. Herrory, Sheila Sheldon	D.C.	Institute	Win.
Hershman, Marshall	Mass.	Higgins Helen Vicginia	Fis.
Hershon, Lucille	DC	Higgins, Louis Edward	Wis-
Hersman, Lenore Ethel	D.C. W.Va.	Higgins, Louis Edward Higgins, Mary Ree Higgins, Ome Mac	Tenn.
A.B. 1944, Glenville State College		Higgins, Oma Mae	Va.
Herson, Jeanette	D.C.	Higginson, Ella Joan Higham, Florence Elizabeth	Pa.
Hertz, Jean Katherine	D.C.	Higham, Florence Elizabeth	D.C.
Hertz, Jerome Samuel	Mass.	Hilar, Albert Peter	D.C.
Herwig, Anne Hildegarde	Va.	Hildebrand, Charles Oakley	Va.
Herzbrun, Joseps Pere Herzbrun, Nancy Jane	D.C.	Hildebrand, Herbert William	Pa.
Herzbrun, Nancy Jane	D.C.	Hilar, Albert Peter Hildebrand, Charles Oakley Hildebrand, Herbert William Hildebrand, Robert John Hilderbrand, Walter Phelps Hilderbrand, Walter Phelps Hilderbrand, David Maleria	D.C.
A.B. 1948, The George Washington		Hilderbrand, Watter Fneipe	Ps. D.C.
University	0.	Hilderbrant, Earl Foster	Md.
Heslen, Francis Charles	Ga. Md.	Hildreth, David Melvin Hildreth, Margaret Sage	D.C.
Heslet, Mary Rhoda	Va.	Hildreth, Richard	Cala
Here Freeh Cold	Pa.	Hill Arlow Fielding .	D.C.
Van Carra Eart In	Md.	Hill Dave Harmon	D.C.
Hess, Amelia Willye Hess, Frank Gadd Hess, George Frank, Jr. Hess, Ida Irene	Ky.	Hill, Dave Harmon Hill, Edward Weathers, Jr.	D.C. D.C.
A.B. 1031. Indiana University	Ay.	Hill, Eleanor Childs	
Here Maurice Albert	DC	A.B. 1948, Vassar College Hill, Gaylord Edward	Md.
Hess, Maurice Albert Hess, Walter Eugene	Md	Hill, Gaylord Edward	Pa.
A.B. 1934, Gettysburg College	Aved.	Hall, Cocorre Richards	m.
A.M. 1910, University of Wisconsin		Hill, James Wilburn A.B. 1937, The George Washington	
Hess, Wilbur Kenneth	Pa.	A.B. 1917, The George Wassing	7 4.63
Hess, William Werner	Va.	University	Md.
	Mass.	Hill, Joseph Carl B.S. 1940, Mount St. Mary's	
A.B. 1938. Harvard University M.S. in Ed. 1936, Boston University		College	n.C.
M.S. in Ed. 1936, Boston University	y	Hill Katherine Luella	D.C.
Hessler, Brian Joseph	D.C.	Hill, Katherine Luella Hill, Martine Ann	Mass.
Hessler, Leo George, Jr.	D.C.	Hill, Mary Emma A.B. 1944. Smith College Hill, Richard Work Hill, Rosalie Victoria B. Rosalie Victoria	
Harris Danield Common	111.	A.B. 1944. Smith College	Va.
A.B. 1941. Buffalo College		Hill, Richard Work	D.C.
A.M. 1944. Ohio State University	-	Hill, Rosalie Victoria	é
A.B. 1943, Buffalo College A.M. 1944, Ohio State University Hester, Juanita	D.C.		-0
riester, Louise	Fla.	Education .	D.C.
rietzier, Maruynn Adair .	D.C.	Hill, Thomas Burbridge, Jr.	Va.
Hewett, Ellen Nancy Hewett, Norma Jean	N.Y.	Education Hill, Thomas Burbridge, Jr. Hill, William Bethel, Jr. B.Ch.E. 1941, University of Virginia	
Hewett, Norma Jean	D.C.	B.Ch.E. 1941, University 34	

T 2 121 . Th. W. W			
Hille, Dagny Margrethe	D.C.	Hjort, Doris Louise	Md.
Hilliard, Charles Luke	N.Y.	Hjort, Helen Josephine	D.C.
Hilliard, Glenn Schwartz	Ala.	rio, Pei-Shih	China
Hilliard, Kathryn Coombe	D.C.	Ho, Robert	China
Hilliard, Mary Ruffin	Va.	Hoag, Irving Charles, Jr.	Mass.
A.B. 1938, East Carolina Teachers		Hobbes, Alan Buxton	Fla.
College		A.B. 1010. Washington and I.a.	
Hillier, Floyd William	Wis.	University LLB. 1947. The George Washington University	
B.S. 1948, Michigan State College		LL.B. 1947, The George Washington	n
Hillman, Jack Allan Hillock, Donald MacLean	D.C.	University	
Hillock, Donald MacLean	D.C.	Dipbbs, Edward Victor	Md.
Hilton, Emma Catherine	D.C.	Hobbs, Gordon Morgan	Va. D.C.
Hilton, John Perry	D.C.	Hobbs, Herman Hedberg	DC
Hilton, William Philip Himel, William	D.C. D.C. D.C. D.C.	Hobbs, Gordon Morgan Hobbs, Herman Hedberg Hobbs, Ira Earl	Okla.
Himel, William	Va.	B.S. 1935, United States Naval	Comment.
B.S. 1917, Northwestern University		Academy	
Himelfarb, Jordan Sheldon	D.C. D.C. D.C.	A.M. 1948, Stanford University Hobbs, Pauline Bowen	
Himmelfarb, Stanford William	D.C.	Hobbs, Pauline Bowen	D.C.
Hinckley, Mary Elisabeth	D.C.	A.B. 1922, Goucher College Hobbs, Richard Huntington	2.0.
Hinckley, William Russell Hinckley, William Wheeler	Idaho	Hobbs, Richard Huntington	D.C.
Hinckley, William Wheeler	Md.	Hobday, Vincent Nelson Hobson, Daphne Frances	DC
A.B. 1911, Rollins College		Hobson, Daphne Frances	Va
A.M. 1934, Columbia University Hinds, Robert Newton		Hobson, Diane Sinclair	Va. Va.
Hinds, Robert Newton	Md.	Hobson, Melvin Clay	W.Va.
Hinebaugh, John Ellwood	Md.	B.S. 1948, Virginia Polytechnic	
Times, Charles Widmile	D.C.	Institute	
LII: CIII I C Y-	D.C.	Hobson, Stanley Alfred	Fla.
A.B. 1947, University of Pennsylvan	nia	Hochbaum, Godfrey Martin	Iowa
Hines, David Glenn	W.Va.	A.B. 1947, American University	
flines, Robert Haynam	Ohio	Hochmuth, Bruno Arthur	Tex.
B.S. 1945. The George Washington		B.S. 1935, Texas College of Arts	
University		and Industries	
Hines, Theodore Christian Hines, William Albert Hines, Williamette Patricia Hing, Jun	D.C.	Hocking, Harold James Ph.G. 1916, Northwestern University	Md.
Hines, William Albert	Tenn.	Ph.G. 1916, Northwestern University	
Hines, Willamette Patricia	D.C.	Hoddinott, Richard Lamar	D.C.
Hing, Jun	III.	Hodge, Doris Gertrude	Nebr.
rimule, rioward, Jr.	D.C.	Hodge, Dorothy Ann	Nebr.
Hinman, Elizabeth Ann	N.J.	Hodge, William Rust Hodge, William Rust Hodges, Quinton Edward B.S. 1938, University of Georgia	D.C.
B.S. 1948, Allegheny College		Hodges, Quinton Edward	Ga.
Hinrichs, Edith	D.C.	B.S. 1935, University of Georgia	
A.B. 1943, American University Hinsdale, Charles Edwin		M.S. 1937, John B. Stetson Universit Hodges, Raymond Lewis	Ly
Hinsdale, Charles Edwin	N.C.	Hodges, Raymond Lewis	D.C.
A.B. 1940, University of North		B.S. 1941, University of Maryland	
Carolina		Hodges, Shirley Rice	Va.
LL.B. 1946, The George Washington	1	Hodges, Willard Jefferson, Jr.	Ala.
University	200	LL.B. 1937, University of Alabama	
Hinton, William Thomas Hintze, Arthur Harris	D.C.	Hodgeon, Jack Charles	D.C.
Hintze, William	D.C. D.C. D.C.	Hodson, Kenneth Joe	Wyo.
Himles Harry I consed	D.C.	A.B. 1935, LL.B. 1937, University	00 7 0.
Hippler, Harry Leonard Hirsch, Robert Bruce	Va.	of Kansas	
Tirsen, Kobert Bruce	Md.	Hoepner, Russell Leroy	D.C.
Hirsh, Alice Gertrude	D.C.	Hoffheins, Louanne	Va.
Hirshberg, Robert Lowe	Ohio	Hoffman, Arthur Daniel	Va.
A.B. 1940, Oberlin College		Hoffman, Bruce Nowell	244
Hirst, Mary Cornell	Md.	Hoffman, Charles Wilbur	Md.
A.B. 1945, Goucher College		Hoffman, Conrad Richard	D.C.
A.B. 1945, Goucher College Hisey, Donald Gene	Va.		N.Y.
	W.Va.	Hoffman, George August	Miss.
Hitchcock, Barbara Singley	D.C.	Hoffman, Harry Draper B.S. 1917, United States Naval	D.C.
A.B. 1943, Columbia University		B.S. 1917, United States Naval	
Hite, Agnes Elizabeth	D.C.	Academy	
A.B. 1943, Columbia University Hite, Agnes Elizabeth Hite, Winston Martin	Va.	M.S. 1927, Massachusetts Institute of Technology	
Hites, Zebulon Weaver	N.C.	of Technology	-
Hitz, Frederick William, Jr.	Pa.	Hoffman, Howard Gilmer	D.C.
B.S. 1939, Pennsylvania State College	2	Hoffman, Philip Vincent	Va.
Hively, Edward Lee	D.C.	Hoffman, Robert Douglas	Md.
B.S. 1944, University of Florida Hix, Ernest Theodore		Hoffman, Rubin B.Ch.E. 1937, College of the City	Md.
Hix, Ernest Theodore	Va.	B.Ch.E. 1937, College of the City	
B.M.E. 1949, The George Washingto	on	OI IVEW I DIE	
University		Hoffmann, Eve Ruth	N.Y.
Hix, Richard Charles	Va.	Hoffmann, Joan	N.Y.
Hixon, Deion Lyle	Ala.	Hofrichter, Leonore A.	D.C.
Hixson, Vernon Irvin	Va.	Hogan, Douglas LeRoy	Va.

Hogan, Edward Eugene Ph.B. 1931, M.D. 1936, Yale University Hogan, John Edward Hogan, Deadward Hogan, John Edward Hogan, Walter Thomas, Jr. Hogan, Malter Thomas, Jr. Hogan, Walter Thomas, Jr. Holman, Bobby Gene Holder, Walter Thomas, Jr. Holman, Bobby Gene Holder, Walter Thomas, Jr. Holman, Competential Walter Thomas, Order Walter Thomas, Md. Holder, Carol Holman, Bobby Gene Holder, Walter Thomas, Jr. Holman, Holder, Walter Thomas, Jr. Holder, Jack The George Washington Liversity Holdbrook, Richard David Holdbrook, Richard David Holdbrook, Richard David Holdbrook, William Callia B. 1945, University of North Carolina B. 1945, University of North Carolina B. 1945, University of North Carolina B. 1945, University of Missouri Hollman, Bobby Gene Holder, Richard B. 294, University Holdbrook, Richard Berver Holdbrook, Richard Bervard Holdbrook, Richard B. 294, University Holdbrook, Richard B. 294, University Holdbrook, Richard B. 294, University Holdbrook, Richard Bervard Holdbrook, Ric				
Hogan, John Edward Hogan, Don Edward Hogan, Walter Thomas, Jr. Hoganon, Beatrice Mabel A. 1933, University of Utah Hogewind, Cornelie Johanna A. B. 1934, Smith College How. William Marston Hobit, Charlotte Wilhelmins Hokanson. Oscar Melvin Hobit, Charlotte Wilhelmins Hokanson. Oscar Melvin Hoke, John Ray Hoke, Julius Unverzagt B.S. in Ed. 1940, Shippensburg State Teachers College, Pa. Hoben, Donald Russell Holbrook, Richard David Holbrook, Richard David Holdrook, Richard David Holden, David Jerome Holden, David Jerome Holden, Richard B.S. 1927, University of Morth Carlotte, Carol Elizabeth Holder, Richard B.S. 1927, University of North Holder, Richard B.S. 1927, University of North Holden, Richard B.S. 1927, University of North Holden, Richard B.S. 1927, University of North Holdand, Garrin Edward Holland, Daniel Brown Holland, Graffin Bryan B.S. 1928, United States Naval A.B. 1947, University of North Holland, Graffin Bryan B.S. 1928, United States Naval Holland, Graffin Bryan B.S. 1928, United States Naval A.B. 1947, University of Morth Holland, Graffin Bryan B.S. 1928, United States Naval Holland, Graffin Bryan B.S. 1928, United States B.S. 1928, Unite	Hogan Edward Eugene	N.Y.	Hollon, Joseph Burke	D.C.
University Hogan, John Edward Hogan, Julia May Hogan, John Edward Hogan, Walter Roman Hogan, Walter Roman Hogan, Walter Roman, Jr, Hogano, Walter Roman A.B. 1933, University of Morth Carbotic, Julius University of North Carbotic, Sam Holtonob, Arthur Paul Holtonob, William Callia Holdon, David Jerome Holden, David Jerome Holden, David Jerome Holden, David Jerome Holden, Richard B.S. 1937, University of North Carbotic, Sam Holeman, William Daniel Holdod, Richard B.S. 1937, University of North Holdod, Richard B.S. 1937, University of North Carolina Holden, Richard B.S. 1937, University of North Holdand, Alan Randody Holdand, Daniel Brown Holland, Jannel Brown Holland, Graffin Bryan B.S. 1936, University of North Carolina Holland, Graffin Bryan B.S. 1937, University of North Carolina Holland, Graffin Bryan B.S. 1937, University of North B.S. 1938, University of North Carolina Holland, Graffin Bryan B.S. 1937, University of North B.S. 1938, University of North Carolina Holland, Graffin Bryan B.S. 1937, University of North Carolina Holland, Graffin Bryan B.S. 1937, University of North B.S. 1938, University of North B.S. 1938, University of North Carolina Holland, Graffin Bryan B.S. 1937, University of North B.S. 1938, University of North Carolina Holland, Graffin Bryan B.S. 1937, University of Missouri Holland, Graffin Bryan B.S. 1937, University of North Carolina Holdand, Graffin Bryan B.S. 1937, University of North B.S. 1937, University of Missouri Holland, Graffin Bryan B.S. 1937, University of Missouri Holdan, Densel Hotaling Holden, David Holtonobe Holland, Graffin Bryan B.S. 1937, University of Missouri Holdand, Graffin Bryan B.S. 1937, University of Missouri Holland, Holtonobe Holland, Holtonobe Holland, Holtonobe Holland, Holtonobe Holland, Holtonobe Hol	Ph B 1011 M.D. 1016. Yale		Hollon, Thomas Harry	D.C.
Hogan, Noemary Hogan, Walter Thomas, Jr. Hogenson, Beatrice Mabel A.B. 1933, University of Utah Hogewind, Cornelie Johanna A.B. 1947, Smith College Holden, Dolores Marie Holbrook, Jolius James Holden, Dolores Marie Holden, Dolores Marie A.B. 1947, Smith College Holden, Dolores Marie A.B. 1947, Smith College Holden, David Jerome Holden, Dariel Brown Holden, Jack Princhard Holden, David Jerome Holden, Jack Princhard Holden, David Jerome Holden, David Jerome Holden, Jack Princhard Holde	University		Holloway, John Ennis	
Hogan, Noemary Hogan, Walter Thomas, Jr. Hogenson, Beatrice Mabel A.B. 1933, University of Utah Hogewind, Cornelie Johanna A.B. 1947, Smith College Holden, Dolores Marie Holbrook, Jolius James Holden, Dolores Marie Holden, Dolores Marie A.B. 1947, Smith College Holden, Dolores Marie A.B. 1947, Smith College Holden, David Jerome Holden, Dariel Brown Holden, Jack Princhard Holden, David Jerome Holden, Jack Princhard Holden, David Jerome Holden, David Jerome Holden, Jack Princhard Holde	Hogan, John Edward	Va.	Holly, Evelyn Margaret	
Hogenson, Beatrice Mabe of Utah Hogenson, Beatrice Mabe of Utah Hogenson, Cornelie Johanna A.B. 1933, University of Utah Hogenson, Cornelie Johanna A.B. 1945, The George Washington A.B. 1946, The George Washington Holkin, Cornelie Johanna A.B. 1946, The George Washington Holkin, Cherte Wilshemine Hokannon, Oxcar Melvin Hoke, John Ray Hoke, Julius Unverzagt B.S. in Ed. 1940, Shippensburg State Teachers College, Pa. Holben, Donald Russell Holbrook, Arthur Paul Holbrook, Arthur Paul Holbrook, Inthat David Holcombe, William Callis Holden, Delores Marie A.B. 1947, Smith College Holden, Jack Pritchard Holden, Jack Prit	Hogan, Julia May	D.C.	Holman, Bobby Gene	
Hogenson, Beatrice Mabe of Utah Hogenson, Beatrice Mabe of Utah Hogenson, Cornelie Johanna A.B. 1933, University of Utah Hogenson, Cornelie Johanna A.B. 1945, The George Washington A.B. 1946, The George Washington Holkin, Cornelie Johanna A.B. 1946, The George Washington Holkin, Cherte Wilshemine Hokannon, Oxcar Melvin Hoke, John Ray Hoke, Julius Unverzagt B.S. in Ed. 1940, Shippensburg State Teachers College, Pa. Holben, Donald Russell Holbrook, Arthur Paul Holbrook, Arthur Paul Holbrook, Inthat David Holcombe, William Callis Holden, Delores Marie A.B. 1947, Smith College Holden, Jack Pritchard Holden, Jack Prit	Hogan, Rosemary	D.C.	Holman, Oren Welch	
Hogenson, Beatrice Mabel A.B. 1933, University of Utah Hogewind, Cornelie Johanna A.B. 1942, Smith College Howe, William Marston A.B. 1948, The George Washington University Holte, Lohn Ray Hoke, Julius Unversat, Shippenaburg A.B. 1948, The George Washington University Hoke, John Ray Hoke, Julius Unversat, Shippenaburg A.B. 1948, The George Washington Lohn Ray Hoke, Julius Unversat, Shippenaburg A.B. 1948, The George Washington Lohn Ray Holte, Julius Unversat, Shippenaburg A.B. 1948, The George Washington Lohn Ray Holder, Arthur Paul Holber, Donald Russell Holbrook, Arthur Paul Holdroom, William Callis Holdrook, David Jerome Holden, David Jerome Holden, Richard B.S. 1937, United States A.B. 1949, The George Washington Lohort-Rely Wash A.B. 1949, The George Washington Lohort-Rely Wash M.C. A.B. 1949, The George Washington Lohort-Rely Wash A.B. 1949, University of Hollort, Allan Randolph Holland, Daniel Brown Holland, Jennel Hotaling Holland, Townsend Stanley, Jr. B.S. 1947, University of Morth Carolina B.S. 1947, University of Missouri Holden, Richard B.S. 1947, University of Micht, Allan Hollen, Richard B.S. 1947, University of Micht, Allan Hollen, Richard B.S. 1947, University of Micht, Allan Hollen, Richard B.S. 1947, University of Micht, Allan Holten, Ri	Hogan, Walter Thomas, Jr.	411.	B.S. 1931, California State Teacher	S.
A.B. 1933, University of Utah Hogewind, Cornelle Johanna A.B. 1947. Smith College Hogue, William Marston University Hohlt, Charlotte Wihelmine Hokanson. Ocar Melvin Hoke, Julius Unverzagt Hoke, John Ray Hoke, Julius Unverzagt B.S. in Ed. 1940, Shippensburg State Teachers College, Pa. Hoke, Neil Herman Holben, Donald Russell Holbrook, Arthur Paul Holbrook, Arthur Paul Holbrook, Richard David Holtorobe, William Callis Holdcombe, William College Holdcombe, William College Holden, David Jerome Holden, Rits Jane Jo.C. Holden, David Jerome Holden, David Jerome Holden, Rits Jane Jo.C. Holden, David Jerome Holden, Rits Jane Jo.C. Holden, David Jerome Holden, Rits Jane Jo.C. Holden, Larender Mod. Holden, Larender Mod. A.B. 1945, University of New Hampshire Hold, Edward Holt, Edward Hold, Larender Hold, Larender Hodge B.S. 1947, University of Misch Holden, Richard Charles Holden, Larender Mod. Holden, Richard Charles Holden, Larender Mod. Holden, Lar	Hogenson, Beatrice Mabel	D.C.	College	
A.B. 1042. Smith College Hoeue, William Maraton A.B. 1048. The George Washington University Of Manager of Mana	A.B. 1933, University of Utah	-	Holme, Justus Mitchell	
Hogue, William Marston A.B. 1948. The George Washington University Holkt, Charlotte Wilhelmine Hokanson. Oscar Melvin Hoke, John Ray Hoke, Julius Universaty Hoke, Julius Universaty Hoke, Julius Universaty Hoben, Donald Russell Hobrook, Arthur Paul Hobrook, Arthur Paul Hobrook, Kichard David Holcombe, William Callia Holden, Dolotes Marie A.B. 1948, The George Washington University Holdmes, Faral Francis Holmes, Paul Francis Ho	Hogewind, Cornelie Johanna	D.C.	B.S. in C.E. 1010, M.S. in C.E.	
A.B. 1948. The George Washington University Holdt, Charlotte Wilhelmine Hokanson, Ocar Melvin Holdson, Ala. Holbrook, Arthur Paul Holbrook, Arthur Paul Holbrook, Arthur Paul Holbrook, Olife James Holcombe, William Callis Holcombe, William Callis Holden, David Jerome Holden, David Jerome Holden, Richard B.S. 1947. University of Melden, Richard Holden, Richard Holden, Richard B.S. 1947. University of Melden, Richard Holden, Richard B.S. 1947. University of Melden, Richard Holden, Richard Holden, Richard Holden, Richard Holden, Richard B.S. 1947. University of Melden, Richard Holden, Richard Hold	A.B. 1947. Smith College	n a	1940, University of Pennsylvania	
A.B. 1948. The George Washington University Holit, Charlotte Wilhelmine Hokanson, Ocar Melvin Charles Holosen, Rital Jane A.B. 1945, The George Washington University Holosber, Melvin Charles Holosen, Rital Jane A.B. 1945, The George Washington University Holosber, Melvin Charles Holosen, Rital Jane Holosber, Melvin Charles Holosb	Hogue, William Marston		M.S. 1932, Lehigh University	Wash
Hohlt, Charlotte Wilhelmine Hokanson, Oscar Melvin Hoke, John Ray Hoke, John Ray Hoke, John Ray Hoke, Spilus Univerzagt B.S. in Ed. 1940, Shippensburg State Teachers College, Pa. Hoke, Neil Herman Holben, Donald Russell Holbrook, Arthur Paul Holbrook, Arthur Paul Holbrook, Richard David Holcrook, William Callis Holden, David Jerome Holden, David Jerome Holden, Richard Holden, Ric	A.B. 1948, The George Washington		Holmes, Gerald Peter	
Hoke, John Ray Hoke, Julius Unverzagt Hoke, Julius Lonald Russell Hoke, Neil Herman Hoke, Neil Herman Holborn, Donald Russell Holbrook, Arthur Paul Holbrook, Richard David Holcombe, William Callis Holden, David Jerome Holden, Richard Holden,		1/4	A.B. 1947, University of Washingto	D.C.
Hoke, John Ray Holeen, John Ray Holbern, Donald Russell Holbrook, Arthur Paul Holtorok, Richard David Holtorok, Richard David Holtorok, Richard David Holden, David Jerome Holden	Hohlt, Charlotte Wilhelmine		Holmes, Jentry Scott	D. C.
Hoke, Julius Unverzagt State Teachers College, Pa. Hoke, Neil Herman Holbrook, Arthur Paul Holbrook, Cilie James Holbrook, Kichard David Holcombe, William Callia Holden, David Jerome Holden, David Jerome Holden, Jack Pritchard Ho	Hokanson, Oscar Melvin	VA.	A.B. 1948, The George Washington	
Holbrook, Arthur Paul Holbrook, Ollie James Holbrook, Richard David Holcombe, William Callia Holden, David Jerome Holden, Paritheard A.B. 1947, Smith College Holden, Jack Pritchard Holden, Richard B.S. 1937, United States B.S. 1937, United States Holdam, Jack Pritchard Holdam, Richard B.S. 1937, United States Holdam, William Daniel Holford, Bond Larry Holland, Jan Randolph Holland, Daniel Brown Holland, Daniel Brown Holland, Densel Hotaling Holland, Joe Warren Holland, Joe Warr	Hoke, John Ray	Va.	University	D.C.
Holbrook, Arthur Paul Holbrook, Ollie James Holbrook, Richard David Holcombe, William Callia Holden, David Jerome Holden, Paritheard A.B. 1947, Smith College Holden, Jack Pritchard Holden, Richard B.S. 1937, United States B.S. 1937, United States Holdam, Jack Pritchard Holdam, Richard B.S. 1937, United States Holdam, William Daniel Holford, Bond Larry Holland, Jan Randolph Holland, Daniel Brown Holland, Daniel Brown Holland, Densel Hotaling Holland, Joe Warren Holland, Joe Warr	Hoke, Julius Unverzagt	Fa.	Holmes, Paul Francis	
Holbrook, Arthur Paul Holbrook, Ollie James Holbrook, Richard David Holcombe, William Callia Holden, David Jerome Holden, Paritheard A.B. 1947, Smith College Holden, Jack Pritchard Holden, Richard B.S. 1937, United States B.S. 1937, United States Holdam, Jack Pritchard Holdam, Richard B.S. 1937, United States Holdam, William Daniel Holford, Bond Larry Holland, Jan Randolph Holland, Daniel Brown Holland, Daniel Brown Holland, Densel Hotaling Holland, Joe Warren Holland, Joe Warr	Santa Tanchera College Pa		AR 1045 The George Washington	
Holbrook, Arthur Paul Holbrook, Ollie James Holbrook, Richard David Holcombe, William Callia Holden, David Jerome Holden, Paritheard A.B. 1947, Smith College Holden, Jack Pritchard Holden, Richard B.S. 1937, United States B.S. 1937, United States Holdam, Jack Pritchard Holdam, Richard B.S. 1937, United States Holdam, William Daniel Holford, Bond Larry Holland, Jan Randolph Holland, Daniel Brown Holland, Daniel Brown Holland, Densel Hotaling Holland, Joe Warren Holland, Joe Warr	State Leathers Contege, 1 a.	DC		
Holbrook, Arthur Paul Holbrook, Offie James Holbrook, Clife James Holbrook, Richard David Holcombe, William Callis Holden, David Jerome Holden, Jack Pritchard Holden, Jack Pritchard Holden, Jack Pritchard Holden, Lake Pritchard Holden, Jack Pritch	Holber Donald Russell	Va	Holoher Melvin Charles	D.C.
Holbrook, Olie James Holbrook, Richard David Holcombe, William Callis Holden, David Jerome Holden, Dolores Marie A.B. 1947, Smith College Holden, Dalores Marie A.B. 1947, Smith College Holden, Richard Holde	Holbrook Arthur Paul	Va	A.B. 1949. The George Washington	
Holden, David Jerome Holden, Charle Jerome Holden, Caroline Holden, Caroline Holden, Caroline Holden, Caroline Holden, Caroline Holden,	Holbrook Ollie Lumes	Kv.	University	
Holden, David Jerome Holden, Charle Jerome Holden, Caroline Holden, Caroline Holden, Caroline Holden, Caroline Holden, Caroline Holden,	Holbrook Richard David	D.C.		
Holden, Dotores Marie A. B. 1947. Smith College Holden, Richard B. S. 1917. United States Naval Academy Holder, Carol Elizabeth Holdaambeck, Sam Holeman, William Daniel Holford, Bond Larry Holland, Daniel Brown Holland, Daniel Brown Holland, Daniel Brown Holland, Carifin Bryam B. S. 1947. University of North Carolina Holland, Griffin Bryam Holland, Gerrin Edward Holland, Gerrin Edward Holland, Grown Brown Holland, Townsend Stanley, Jr. B. S. 1946. University of Michigan Holland, Townsend Stanley, Jr. B. S. 1947. University of Michigan Holland, Townsend Stanley, Jr. B. S. 1947. University of Michigan Holland, Townsend Stanley, Jr. B. S. 1946. University of Michigan Holland, Townsend Stanley, Jr. B. S. 1946. University of Michigan Holland, Townsend Stanley, Jr. B. S. 1946. University of Michigan Holland, Townsend Stanley, Jr. B. S. 1947. Ripon College Holtz, Kelbert Manuel Holt, Carolina Holt, Charles Hodge B. S. 1947. University of Michigan Holt, Edward Brewater Holt, Charles Hodge B. S. 1945. University of New Hampshire Holt, Charles Hodge B. S. 1945. University of New Hampshire Holt, Charles Hodge B. S. 1945. University of New Hampshire Holt, Charles Hodge B. S. 1945. University of New Hampshire Holt, Charles Hodge B. S. 1945. University of New Hampshire Holt, Charles Hodge B. S. 1945. University of New Hampshire Holt, Charles Hodge B. S. 1945. University of New Hampshire Holt, Charles Hodge B. S. 1945. University of New Hampshire Holt, Charles Hodge B. S. 1945. University of New Hampshire Holt, Charles Hodge B. S. 1945. University of Michigan Holt, Edward Brewater Holt, Charles Hodge B. S. 1945. University of Michigan Holt, Les Hobert Earl Holt, Charles Hodge B. S. 1945. University of Michigan Holt, Edward Brewater Holt, Edward	Holombe William Callis	Ala.		Meg.
Holden, Dotores Marie A. B. 1947. Smith College Holden, Jack Pritchard Holden, Richard B. S. 1917. United States Naval Academy Holder, Carol Elizabeth Holdaambeck, Sam Holeman, William Daniel Holford, Bond Larry Holland, Daniel Brown Holland, Daniel Brown Holland, Daniel Brown Holland, Carifin Bryam B. S. 1947. University of Michigan Holland, Garrin Edward Holland, Griffin Bryam B. S. 1947. University of Michigan Holland, Griffin Bryam Holland, Griffin Bryam Holland, Grown Holland, Griffin Bryam Holland, Townsend Stanley, Jr. B. S. 1946. University of North Carolina Holland, Townsend Stanley, Jr. B. S. 1946. University of North Carolina Holland, Townsend Stanley, Jr. B. S. 1946. University of North Carolina Holland, Townsend Stanley, Jr. B. S. 1946. University of Missouri Holliday, Frances B. S. 1946. University of North Carolina Holland, Townsend States Naval Academy Holland, Densel Hotaling Holland, Densel Hotaling Holland, Townsend Stanley, Jr. B. S. 1946. University of North Carolina Holland, Frank Elmer Holleman, Martin Everett Holliday, Frances B. S. 1946. Catholic University of Missouri Holliday, Reynold Rose Hollingsworth, Russell Kahner, Jr. Hollingsworth, Gerald Eugene Hollingsworth, William Leon Hollings	Holden David Jerome		A.B. 1947, University of	
A.B. 1947. Smith College Holden, Jack Pritchard B.S. 1917. United States Naval Academy Holder, Carol Elizabeth Holdandbeck, Sam Holeman, William Daniel Holland, Alan Randolph Holland, Daniel Brown Holland, Daniel Brown Holland, Daniel Brown Holland, Dennel Hotaling Holland, Oenrel Hotaling Holland, Joe Warren Holland, Joe Warren Holland, Joe Warren Holland, Townsend Stanley, Jr. B.S. 1947. University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1946. University of North Carolina Holland, Joe Warren Holland, Joe	Holden, Dolores Marie	Vt.		Ter
Academy Holder, Carol Elizabeth Holdambeck, Sam Holeman, William Daniel Holland, Daniel Brown Holland, Daniel Brown Holland, Daniel Brown Holland, Garrin Edward Holland, Garrin Edward Holland, Grifin Bryan B.S. 1047, University of North Carolina Holland, Merle Fleming Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1048, United States Naval Academy Holleman, Martin Everett Hollingsworth, Russell Kahner, Jr. Hollingsworth, Russel	A.B. 1047. Smith College		Holt, Arthur Melvin	I ga.
Academy Holder, Carol Elizabeth Holdambeck, Sam Holeman, William Daniel Holland, Daniel Brown Holland, Daniel Brown Holland, Daniel Brown Holland, Garrin Edward Holland, Garrin Edward Holland, Grifin Bryan B.S. 1047, University of North Carolina Holland, Merle Fleming Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1048, United States Naval Academy Holleman, Martin Everett Hollingsworth, Russell Kahner, Jr. Hollingsworth, Russel	Holden, Jack Pritchard	Md.	A.B. 1945, University of Texas	Mich.
Academy Holder, Carol Elizabeth Holdambeck, Sam Holeman, William Daniel Holland, Daniel Brown Holland, Daniel Brown Holland, Daniel Brown Holland, Garrin Edward Holland, Garrin Edward Holland, Grifin Bryan B.S. 1047, University of North Carolina Holland, Merle Fleming Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1048, United States Naval Academy Holleman, Martin Everett Hollingsworth, Russell Kahner, Jr. Hollingsworth, Russel	Holden, Richard	Md.	Holl, Charles Hodge	Milan
Academy Holder, Carol Elizabeth Holdambeck, Sam Holeman, William Daniel Holford, Bond Larry Holland, Alan Randolph Holland, Daniel Brown Holland, Daniel Brown Holland, Denzel Hotaling Holland, Denzel Hotaling Holland, Garrin Edward Holland, Griffin Bryam B.S. 1047, University of North Carolina B.S. 1047, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1046, University of North Carolina Holland, Trank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Holliday, France B.S. in Ed. 1020, Northweat Missouri State Teachers College A.M. 1027, University of Missouri Holliday, Reynold Rose Hollingsworth, Rosell Kahner, Jr. Hollingshead, Martha Stewart Hollingsworth, Russell Kahner, Jr. Hol	B.S. 1937, United States Naval		B.S. 1938, United States Naval	
Holder, Carol Elizabeth Holdaambeck, Sam Holeman, William Daniel Holford, Bond Larry Holland, Alan Randolph Holland, Daniel Brown Holland, Daniel Brown Holland, Carrin Edward Holland, Garrin Edward Holland, Griffin Bryan B.S. 1947, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Hollar, Frank Elmer Hollingshead, Martha Stewart Hollingshead, Martha Stewart Hollingsworth, Gerald Eugene Hollingsworth, William Leon Hollin, Frank Hollin, Holty, Identify Holter, William Clinton A.B. 1947, Ripon College Holtz, Leward Brewster Holt, Roward Brewster Holt, Edward Brewster Holt, Laward Holt, James Howard Holt, Robert Earl Holt, Laward Holt, James Howard Holt, Robert Earl Holter, William Clinton A.B. 1947, Mallsapa College Holtyworth, Dorothy Cath	Academy		Academy	Teas.
Holeman, Joseph Tullie B.S. 1945, University of North Carolina Holland, Trank Elmer Holleman, Joseph Tullie B.S. 1945, University of North Carolina Mollar, Frank Elmer Holleman, Joseph Tullie B.S. 1945, University of Missouri Hollady, Frances B.S. 1946, University of Missouri Holliday, Frances B.S. 1946, University of Missouri Holliday, Reynold Rose B.S. 1940, University of Missouri Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leoa Hollingsworth, William Leoa Hollis, Frank Hampshire Holt, Edward Brewster B.S. 1947, University of Michigan Holt, Edward Brewster Holt, Edward Brewster Holt, Lames Howard Holt, Edward Brewster Holt, Edward Holt, Edward Holt, Robert Farl Holt, Edward Brewster Holt, Robert Earl Holt, Edward Brewster Holt, Edward Brewster Holt, Robert Earl Holt, Edward Brewster Holt, Edward Brewster Holt, Edward Brewster Holt, Edward Brewster Holt, Edward Brewst	Holder, Carol Elizabeth		Holt, David	
Holeman, William Daniel Holford, Bond Larry Holland, Alan Randolph Holland, Daniel Brown Holland, Denzel Hotaling Holland, Garrin Edward Holland, Griffin Bryan Holland, Griffin Bryan Holland, Griffin Bryan Holland, Griffin Bryan Holland, Joe Warren Holland, Joe Warren Holland, Joe Warren Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1945, United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1920, Northwest Missouri State Teachers College AM. 1927, University of Missouri Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Russell Kahner, Jr. Holling	Holdsambeck, Sam			
Holland, Daniel Brown Holland, Garrin Edward Holland, Garrin Edward Holland, Griffin Bryan Holland, Griffin Bryan Holland, Griffin Bryan Holland, Joe Warren Holland, Joe Warren Holland, Merle Fleming Holland, Townsend Stanley, Jr. B.S. 1947, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1948, United States Naval Academy Holleman, Joseph Tullie B.S. 1948, United States Naval Academy Holleman, Joseph Tullie B.S. 1948, United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1920, Northwest Missouri State Teachers College AM. 1927, University of Missouri Hollingshead, Martha Stewart Hollingshead, Martha Stewart Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollis, Frank Hollis, Frank Hollis, Frank Hollis, Frank Hollis, Frank Georgetown University Va. Holter, William Clinton A.B. 1947, University of Missouri Rollot, Iames Howard Holt, Lames Howard Holt, Lames Howard Holt, Lames Howard Holt, James Howard Holt, Lames Howard Holter, William Clinton A.B. 1947, University of Missouri Rollot, Lames Howard Holter, William Clinton A.B. 1947, University of Missouri Rollot, Lames Howard Holter, William Clinton A.B. 1947, University of Missouri Rollot, Lames Howard Holter, William Clinton A.B. 1947, University of Missouri Rollot, Lames Howard Holter, William Clinton A.B. 1947, University of Missouri Rollot, Lames Howard Holter, William Clinton A.B. 1947, University of Missouri Rollot, James Houter, Javanuel Ny A.B. 1948, The George Washington	Villian Daniel	Tenn.		Ill.
Carolina Holland, Joe Warren Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1020, Northwest Missouri State Teachers College A.M. 1027, University of Missouri Hollingshead, Martha Stewart Hollingshead, Martha Stewart Hollingsworth, Gerald Eugene Hollingsworth, Gerald Eugene Hollingsworth, William Leon Hollis, Frank	Holford, Bond Larry		Holt, Edward Brewster	
Carolina Holland, Joe Warren Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1020, Northwest Missouri State Teachers College A.M. 1027, University of Missouri Hollingshead, Martha Stewart Hollingshead, Martha Stewart Hollingsworth, Gerald Eugene Hollingsworth, Gerald Eugene Hollingsworth, William Leon Hollis, Frank	Holland, Alan Randolph		B.S. 1947, University of Michigan	
Carolina Holland, Joe Warren Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1020, Northwest Missouri State Teachers College A.M. 1027, University of Missouri Hollingshead, Martha Stewart Hollingshead, Martha Stewart Hollingsworth, Gerald Eugene Hollingsworth, Gerald Eugene Hollingsworth, William Leon Hollis, Frank	Holland, Daniel Brown	D.C.	Holt, James Howard	
Carolina Holland, Joe Warren Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1020, Northwest Missouri State Teachers College A.M. 1027, University of Missouri Hollingshead, Martha Stewart Hollingshead, Martha Stewart Hollingsworth, Gerald Eugene Hollingsworth, Gerald Eugene Hollingsworth, William Leon Hollis, Frank	Holland, Denzel Hotaling	D.C.	Holt, Kobert Earl	12.
Carolina Holland, Joe Warren Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1020, Northwest Missouri State Teachers College A.M. 1027, University of Missouri Hollingshead, Martha Stewart Hollingshead, Martha Stewart Hollingsworth, Gerald Eugene Hollingsworth, Gerald Eugene Hollingsworth, William Leon Hollis, Frank	Holland, Garrin Edward	Va.	A P Pierr Callege	- 0
Carolina Holland, Joe Warren Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Holland, Townsend Stanley, Jr. B.S. 1946, University of North Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1020, Northwest Missouri State Teachers College A.M. 1027, University of Missouri Hollingshead, Martha Stewart Hollingshead, Martha Stewart Hollingsworth, Gerald Eugene Hollingsworth, Gerald Eugene Hollingsworth, William Leon Hollis, Frank	Holland, Griffin Bryan	Md.	Males Machael Manual	D.C.
Holland, Joe Warren Holland, Merle Fleming Holland, Cownsend Stanley, Jr. B.S. 1946, University of North Carolina Mollar, Frank Elmer Holleman, Joseph Tullie B.S. 1945, United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1920, Northwest Missouri Holliday, Frances A.M. 1946, Catholic University of Maryland A.M. 1946, Catholic University of Maryland A.M. 1946, Catholic University of Maryland A.M. 1946, Catholic Gene Hona, Orville Gene Hona, Ching Chong Hone, Jacqueline Hauzeur Honecker, Benjamin Robert Honeann, Jean Louise Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollingsworth, William Leon Hollis, Frank Hollis, Fra	p.5, 1947, University of Horts			2.3
Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Hollingshead, Frances Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Grald Eugene Hollingsworth, William Leon Hollingsworth, William Leon Hollings Hollingsworth, William Leon Hollings Hollingsworth, Frank Hollingshead, Martha Stewart Hollingsworth, Grald Eugene Hollingsworth, Grald Eugene Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Cardens D.C. Hollingsworth, William Leon Hollingsworth, Frank Hollingsworth, Grald Eugene Hollingsworth, Grand Elmen D.C. Hollingsworth, Grald Eugene Hollingsworth, Grand Elmen D.C. Hollingsworth, Grand Eugene Hollingsworth, Drotorhy Catherine A.B. 1041, Millsape College of Notre Dame of Maryland A.M. 1946, Catholic University of America Hones, Orville Gene W.Va. Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Columbia A.B. 1941, University of Maine, Jean Louise Hone, Jacqueline Hauseur Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise Hone, Coulombia Louise Hone, Catholic University of Maine, Jean Louise Hone, Orville Gene	Carolina	37.		N.T.
Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Hollingshead, Frances Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Grald Eugene Hollingsworth, William Leon Hollingsworth, William Leon Hollings Hollingsworth, William Leon Hollings Hollingsworth, Frank Hollingshead, Martha Stewart Hollingsworth, Grald Eugene Hollingsworth, Grald Eugene Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Cardens D.C. Hollingsworth, William Leon Hollingsworth, Frank Hollingsworth, Grald Eugene Hollingsworth, Grand Elmen D.C. Hollingsworth, Grald Eugene Hollingsworth, Grand Elmen D.C. Hollingsworth, Grand Eugene Hollingsworth, Drotorhy Catherine A.B. 1041, Millsape College of Notre Dame of Maryland A.M. 1946, Catholic University of America Hones, Orville Gene W.Va. Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Columbia A.B. 1941, University of Maine, Jean Louise Hone, Jacqueline Hauseur Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise Hone, Coulombia Louise Hone, Catholic University of Maine, Jean Louise Hone, Orville Gene	Holland, Joe Warren	Va.	A R 1040 Recoling College	00
Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Hollingshead, Frances Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Grald Eugene Hollingsworth, William Leon Hollingsworth, William Leon Hollings Hollingsworth, William Leon Hollings Hollingsworth, Frank Hollingshead, Martha Stewart Hollingsworth, Grald Eugene Hollingsworth, Grald Eugene Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Cardens D.C. Hollingsworth, William Leon Hollingsworth, Frank Hollingsworth, Grald Eugene Hollingsworth, Grand Elmen D.C. Hollingsworth, Grald Eugene Hollingsworth, Grand Elmen D.C. Hollingsworth, Grand Eugene Hollingsworth, Drotorhy Catherine A.B. 1041, Millsape College of Notre Dame of Maryland A.M. 1946, Catholic University of America Hones, Orville Gene W.Va. Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Columbia A.B. 1941, University of Maine, Jean Louise Hone, Jacqueline Hauseur Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise Hone, Coulombia Louise Hone, Catholic University of Maine, Jean Louise Hone, Orville Gene	Holland, Merle Fleming		Holteman Marilyn	
Carolina Hollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman, Martin Everett Hollingshead, Frances Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Grald Eugene Hollingsworth, William Leon Hollingsworth, William Leon Hollings Hollingsworth, William Leon Hollings Hollingsworth, Frank Hollingshead, Martha Stewart Hollingsworth, Grald Eugene Hollingsworth, Grald Eugene Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Frank Hollingsworth, Cardens D.C. Hollingsworth, William Leon Hollingsworth, Frank Hollingsworth, Grald Eugene Hollingsworth, Grand Elmen D.C. Hollingsworth, Grald Eugene Hollingsworth, Grand Elmen D.C. Hollingsworth, Grand Eugene Hollingsworth, Drotorhy Catherine A.B. 1041, Millsape College of Notre Dame of Maryland A.M. 1946, Catholic University of America Hones, Orville Gene W.Va. Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Catholic University of Pennsylvania D.C. Honemann, Jean Louise Hone, Columbia A.B. 1941, University of Maine, Jean Louise Hone, Jacqueline Hauseur Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise Hone, Coulombia Louise Hone, Catholic University of Maine, Jean Louise Hone, Orville Gene	Holland, Townsend Stanley, Jr.	Milci.	Holyfield Thomas Kennedy	Witnes.
Mollar, Frank Elmer Holleman, Joseph Tullie B.S. 1045. United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1020, Northwest Missouri State Teachers College A.M. 1046, Catholic University of America Honabach, Elmer Wilson Holliday, Reynold Roses A.M. 1027, University of Missouri Holliday, Reynold Roses D.C. Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Gerald Eugene Hollingsworth, Greald Eugene Hollingsworth, William Leon Hollingsworth, William Leon Hollis, Frank Hollis, F	B.S. 1940, University of North		A.R. 1041 Millsans College	244.
Holleman, Joseph Tullie B.S. 1045, United States Naval Academy Holleman Martin Everett Holliday, Frances B.S. in Ed. 1020, Northwest Missouri State Teachers College A.M. 1027, University of Missouri Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Gerald Eugene Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollingsworth, William Leon Hollingsworth, William Leon Hollis, Frank Hollis, Frank Hollis, Frank Hollis, Thelma Elizabeth Hollister, Robert Francia B.S. in B.A. 1943, LL.B. 1948, Georgetown University A.B. 1944, College of Notre Dama of Maryland A.M. 1946, Catholic University of America Ind. America Homes, Orville Gene Va. Maine Hones, Emer Wilson Hone, Lacqueline Hauzeur Honecker, Benjamin Robert B.S. 1041, University of Pennsylvania D.C. Honer, Nancy Lee Hong, Ching Chong A.B. 1947, Colorado State College A.B. 1948, Hunter College A.B. 1944, Hunter College A.B. 1948, The George Washington	Carolina	Kana		14000.
B.S. to45. United States Naval Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1920, Northwest Missouri State Teachers College AM. 1927. University of Missouri Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Russell Kahner, Jr. Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollingsworth, William Leon Hollis, Frank Hollis, Frank Hollis, Frank Hollis, Thelma Elizabeth Georgetown University Otharyland A.M. 1946, Catholic University of America Ind. Ind. America Ind. America Ind. America Ind. America Ind. America Ind. Ind. Ind. America Ind. Ind. Ind. America Ind.	Hollar, Frank Elmer		A.R. 1044 College of Notre Dame	
Academy Holleman, Martin Everett Holliday, Frances B.S. in Ed. 1920, Northwest Missouri State Teachers College A.M. 1946, Catholic University of Maine W.Va. Hollingshead, Robert Sullivan Hollingsworth, Gerald Eugene Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollingsworth, Gerald Eugene Honeig, Doris Marcelle A.B. 1948, Hunter College A.B. 1944, Hunter College A.B. 1948, The George Washington Md. Md. N.Y. Md. N.Y. Hollister, Robert Francia D.C. Hollister, Robert Francia B.S. in B.A. 1948, LL.B. 1948, Georgetown University	D.C. soar United States Navel	207.		
Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollingsworth, William Leon Hollings Hollings Hollings Hollings Hollings Hollings Hollings Hollings Hollingsworth, Gerald Eugene Hollingsworth, Grand Eugene Hollingsworth, William Leon Hollingsworth, William Leon Hollingsworth, Gerald Eugene Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollingsworth, William Leon Hollingsworth, William Leon Hollingsworth, Gerald Eugene Hollingsworth, William Leon Hollingsworth, Gerald Eugene Hong, Ching Chong A.B. 1947, San Diego State College A.B. 1948, Hunter College A.B. 1944, Hunter College A.B. 1944, Hunter College A.B. 1948, The George Washington A.B. 1948, The George Washington	Academy		A.M. 1946, Catholic University of	
Holliday, Frances B.S. in Ed. 1020, Northwest Missouri State Teachers College A.M. 1027, University of Missouri Holliday, Reynold Rose Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollingsworth, William Leon Hollis, Frank Hollis, Frank Hollis, Frank Hollis, Helen Louise Hollis, Frank A.B. 1944, Hunter College Hood, Charles Fuller Hood, Courtney Clark Hod, Courtney Clark Hod, Courtney Clark Honabach, Elmer Wilson Hone, Jacqueline Hauzeur Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise Hone, Ching Chong Wilson Hone, Jacqueline Hauzeur Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise A.B. 1947, San Diego State College A.B. 1947, Colorado State College Md. N.Y. Hollis, Frank Honabach, Elmer Wilson Hone, Jacqueline Hauzeur Honecker, Benjamin Robert B.S. 1941, University of Pennsylvania D.C. Honemann, Jean Louise A.B. 1947, Colorado State College A.B. 1948, The George Washington	Holleman Martin Everett	D.C.	America	Nebr.
State Teachers College A.M. 1027. University of Missouri Holliday, Reynold Rose Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Gerald Eugene Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollingsworth, William Leon Hollingsworth, William Leon Hollis, Frank Hollis, Frank Hollis, Helen Louise Hollis, Thelma Elizabeth Hollis, Thelma Elizabeth Hollis, Thelma Elizabeth Hollister, Robert Francia B.S. in B.A. 1043, LLB. 2948, Georgetown University Miss. Pa. Honig, Doris Marcelle A.B. 1944, Hunter College A.B. 1944, Hunter College A.B. 1947, Calorado State College A.B. 1947, Colorado State College A.B. 1949, LLB. 2948, Georgetown University	Holliday Frances	Ind.	Homes, Orville Gene	
State Teachers College A.M. 1027. University of Missouri Holliday, Reynold Rose Hollingshead, Martha Stewart Hollingshead, Robert Sullivan Hollingsworth, Gerald Eugene Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollingsworth, William Leon Hollingsworth, William Leon Hollis, Frank Hollis, Frank Hollis, Helen Louise Hollis, Thelma Elizabeth Hollis, Thelma Elizabeth Hollis, Thelma Elizabeth Hollister, Robert Francia B.S. in B.A. 1043, LLB. 2948, Georgetown University Miss. Pa. Honig, Doris Marcelle A.B. 1944, Hunter College A.B. 1944, Hunter College A.B. 1947, Calorado State College A.B. 1947, Colorado State College A.B. 1949, LLB. 2948, Georgetown University	RS in Ed 1010 Northwest Missour	i		Maine
Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollis, Frank Hollis, Frank Hollis, Helen Louise Hollis, Robert Francis B.S. im B.A. 1943, LL.B. Georgetown University Hollis, Lab. Georgetown University D.C. Hollis, Ching Chong A.B. 1947, San Diego State College A.B. 1947, San Diego State College A.B. 1947, San Diego State College A.B. 1948, Honick, Kolanda Honig, Doris Marcelle A.B. 1944, Hunter College D.C. Colo. Hollis, Frank D.C. A.B. 1944, Hunter College A.B. 1947, Colorado State College Md. A.B. 1948, The George Washington	State Teachers College		Hone, Jacqueline Hauzeur	W.Va.
Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollis, Frank Hollis, Frank Hollis, Helen Louise Hollis, Robert Francis B.S. im B.A. 1943, LL.B. Georgetown University Hollis, Lab. Georgetown University D.C. Hollis, Ching Chong A.B. 1947, San Diego State College A.B. 1947, San Diego State College A.B. 1947, San Diego State College A.B. 1948, Honick, Kolanda Honig, Doris Marcelle A.B. 1944, Hunter College D.C. Colo. Hollis, Frank D.C. A.B. 1944, Hunter College A.B. 1947, Colorado State College Md. A.B. 1948, The George Washington	4 M 1027 University of Missouri		Honecker, Benjamin Robert	
Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollis, Frank Hollis, Frank Hollis, Helen Louise Hollis, Robert Francis B.S. im B.A. 1943, LL.B. Georgetown University Hollis, Lab. Georgetown University D.C. Hollis, Ching Chong A.B. 1947, San Diego State College A.B. 1947, San Diego State College A.B. 1947, San Diego State College A.B. 1948, Honick, Kolanda Honig, Doris Marcelle A.B. 1944, Hunter College D.C. Colo. Hollis, Frank D.C. A.B. 1944, Hunter College A.B. 1947, Colorado State College Md. A.B. 1948, The George Washington	Holliday Reynold Ross	Pa.	B.S. 1941, University of Punnsylvania	D.C.
Hollingsworth, Russell Kahner, Jr. Hollingsworth, William Leon Hollis, Frank Hollis, Frank Hollis, Helen Louise Hollis, Robert Francis B.S. im B.A. 1943, LL.B. Georgetown University Hollis, Lab. Georgetown University D.C. Hollis, Ching Chong A.B. 1947, San Diego State College A.B. 1947, San Diego State College A.B. 1947, San Diego State College A.B. 1948, Honick, Kolanda Honig, Doris Marcelle A.B. 1944, Hunter College D.C. Colo. Hollis, Frank D.C. A.B. 1944, Hunter College A.B. 1947, Colorado State College Md. A.B. 1948, The George Washington	Hollingshead Martha Stewart	D.C.	Honemann, Jean Louise	N.J.
Hollis, Helen Louise Hollis, Thelma Elizabeth Hollister, Robert Francia B.S. in B.A. 1943, LL.B. 2948, Georgetown University D.C. Honig, Irene Helene Hood, Charles Fuller A.B. 1947, Colorado State College A.B. 1948, The George Washington	Hollingshead Robert Sullivan		Honey, Nancy Lee	D.C.
Hollis, Helen Louise Hollis, Thelma Elizabeth Hollister, Robert Francia B.S. in B.A. 1943, LL.B. 2948, Georgetown University D.C. Honig, Irene Helene Hood, Charles Fuller A.B. 1947, Colorado State College A.B. 1948, The George Washington	Hollingsworth Gerald Eugene		Hong, Ching Chong Piero State College	
Hollis, Helen Louise Hollis, Thelma Elizabeth Hollister, Robert Francia B.S. in B.A. 1943, LL.B. 2948, Georgetown University D.C. Honig, Irene Helene Hood, Charles Fuller A.B. 1947, Colorado State College A.B. 1948, The George Washington	Hollingsworth, Russell Kahner, Ir.		A.B. 1927, San Diego State	2//
Hollis, Helen Louise Hollis, Thelma Elizabeth Hollister, Robert Francia B.S. in B.A. 1943, LL.B. 1948, Georgetown University D.C. Honig, Irene Helene Hood, Charles Fuller A.B. 1947, Colorado State College A.B. 1948, The George Washington			A.M. 1010, Columbia Chit	NIG.
Hollis, Helen Louise Hollis, Thelma Elizabeth Hollister, Robert Francia B.S. in B.A. 1943, LL.B. 2948, Georgetown University D.C. Honig, Irene Helene Hood, Charles Fuller A.B. 1947, Colorado State College A.B. 1948, The George Washington			Horick, Notanda	20.2.
Hollis, Helen Louise Hollis, Thelma Elizabeth Hollister, Robert Francia B.S. in B.A. 1943, LL.B. 2948, Georgetown University D.C. Honig, Irene Helene Hood, Charles Fuller A.B. 1947, Colorado State College A.B. 1948, The George Washington			Tionig, Doris Marter College	nc
B.S. 1943, LL.B. 1948, Georgetown University A.B. 1948, The George Washington			Manin Jeans Helens	
B.S. 1943, LL.B. 1948, Georgetown University A.B. 1948, The George Washington	Hollie Thelms Flinsbeth	D.C.	Hood Charles Fuller	Core.
B.S. in B.A. 1945, LL.B. 2948, Georgetown University Hollon, Dan Sherwin D.C. Hood, Courtney Clark A.B. 1948, The George Washington University			A R 1047. Colorado State College	Md.
Georgetown University Hollon, Dan Sherwin A.B. 1948, The George Washington University	RS in RA 1040 II B 1048	D.C.	Hood Courtney Clark	
Hollon, Dan Sherwin D.C. University	Georgetown University		AB. 1948. The George Washington	
Tionor, ben distante	Hollon Dan Sheewin	DC	University	
	tioning con part and	ar i dan		

TT 1 0 1 112			
Hood, Earl Winston	No.	Horowitz Milton Arthur Horowitz, Norman BEE 1918. Syrause Universit Horowitz Robert S. Strause	DC.
Hook, George Oliver Hook, Thomas Mitchell	Pa Va.	Horowatz, Norman	DC.
Hooks, Arnold David	Ark.	Horowitz, Robert Side ex	,
Hoopaw, Vivianne Lucy	Na.	Horr, Edward Amsworth	Md. Pa.
A.B. 1944. The George Washington		AR IIII	V 1 4.
University	DC	of Pennsylvania	,
Hooper, Albert Gordon, Jr. Hooper, Edwin Bickford	D.C. Mass.	M P H 1948, Johns Hopkins University	
B.S. 1931, United States Naval	TATELDO.	Horton, Donald Raymond	2.50
Academy		A.B. 1948, State Teachers College	ND.
M S. 1940, Massachusetts Institute of Technology		A.B. 1948, State Teachers College Valley City, N.D	•
of Technology	3.6	Horvath, Elizabeth Ann	Va.
Hooper, Kenneth Cameron Hoopes, David Spencer	Mass.	Horvath, Leo James	Pa.
Hoopes, Ray Harry, Jr.	D.C.	B S 1942. Pennsylvania State College	
A.B. 1943, The George Washington		Horwitz, Harold	1.1.
University		Horwitz, Harvey	N.Y. D.C.
Hoopes, Townsend Walter	N.Y.	Hoschar, Gilbert Edgar Hoshide, Toshio	Va.
A.B. 1943, Yale University Hoover, Charles R.	Wyo	Hosier, Richard Charles	Calif.
Hoover, Elizabeth Jane	Pa.	Hoskins, Edna Charles	DC.
Hoover, Georgiana Christine	D.C	AB 1915, Earlham College	N.H.
Hoover, John Lvnn	Va.	A B 1915, Flatham College Hosley, Alice Louise	D.C.
A.B. 1927, Western Kentucky Teachers College		Hossfeld, Raymond Frederick	1)(
A M. 1024 University of Kentucky		B.S. in E.E. 1930, LL.B. 1934. The George Washington University	
A.M. 1934, University of Kentucky Hoover, Wallace Archer	D.C.	Hostetler Howard R	Md.
Hone Robert Stocke	Va.	Hosteller, Howard R Hottel, Catherine Mile	D.C.
Hopkins, Joan Cretcher	D.C.	Houck, David Russell Houff, Janet Millited	DC.
Hopkins, John Thomas, Jr.	D.C.	Houff, Janes Millied	DC.
Hopkins, Joan Cretcher Hopkins, John Thomas, Jr. Hopkins, John William Hopkins, Stephen Cornwell Hopkins, Theodore Reed	Pa. D.C.	Hough, Herbert Jules Houghton, Edwin Gordon	DC. DC. DC.
Honkins Theodore Reed	Calif.	Houghton, Robert Clarence	NY.
A.B. 1947. Stanford University	Carri	Houghton, Ruth Agatha	Mass.
Hopkins, Thomas Walton	Md.	Houk. Io Anne	Va.
B.S. 1912. United States Naval		Houk, Io Anne Houk, Robin Hall B.S. in C.E., 1948, The George	DC.
Academy Hopper, Henry Pearson	Pa.	Washington University	
B.S. in Ed. 1913, M.S. in Ed. 1914.	2 4.	Houlditch, George Sam, Ir.	DC.
B.S. in Ed. 1933, M.S. in Ed. 1934. University of Pennsylvania		Houle, Roger Audy	DC.
Hopper, Katherine Edmondson	Va.	House, Edward Hedley	Va
B.S. 1929, Mary Washington College Hopper, Nathaniel Wilson	Md.	House, John R.	Md.
Hopper, Thomas Bradford, Jr.	D.C.	House, Lawrence Samuel	Md
Hoppy, Louise Marie	Okla.	House, Lucy Virginia House, Wayne DeWitt	DC
Hopson, Jeanne Louise Horan, Robert Bailey	III.	Houseal, Robert Wright, Ir.	Va.
Horan, Robert Bailey	D.C.	B.S. 1911, The Citadel	S.C.
Hord, Keith Stuart Horiuchi, Harold Shigeo	D.C. Md.	Houser, Albert Frederick	DC.
Horkan, George Anthony, Jr.	D.C.	Houser, Frederick Russell	Pa
A.B. 1943, University of Pennsylvania	D.C.	Houser, Herbert Harold	DC.
LL.B. 1948, The George Washington		Housman, Helen Frances	Md.
University		B.S. 1946, Madison College	
Hormel, John Edward	Va.	Houston, lames Knox Houston, Robert Joseph	J. A.
Horn, Arthur Warren May Horn, Henry Joseph	Md. Pa.	Houston, Sam, Jr.	D.C. D.C.
B.S. in E.E. 1941, Lehigh	E.a.	Houts, Vernon VanCleve	Md.
University		BS 10:6, Baker University	.440.
Horn, Herbert Orden	Va.	Hovatter, Eugenous Melker	W.Va.
Horn, Iames McNabb	Va	Hovermale, Elsie Lemley	D.C.
Horn, Rita Louise	Md.	Hoverson, Jean Cecelia	Va.
	Mass.	Howar, Raymond Joseph Howard, Betty Jane	DC.
B.S. 1943, Northeastern University Hornsby, William Paul	Ala.	Howard, Edward Digges	Md.
Hornstein, Ida Edith	D.C.	Howard Hone Myrth	DC.
Horowitz, Elias	D.C.	Howard, Hope Myrth A.B. 1948, The George Washington	DC.
B.S.S. 1941, College of the City of New York		University	
of New York	-	Howard, John William	D.C.
Horowitz, Herbert David	Pa.	Howard, Lynn Hanford	Iowa
LL.B. 1948, The George Washington University		Howard, Robert Lynwood	Ala.
		A.B. 1948, University of Alabama	

	D 0	11.1 11 01.1	DA
Howard, Roy Arthur	D.C.	Huber, Henry Christian	D.C.
B.S. in E.E. 1948, Oregon State		Hubert, William Francis Huck, Clifford James	lona
College	NIN	Hode, Harry William	M155.
Howard, Sidney H	N.Y. D.C. D.C. D.C. D.C. D.C.	Hadaya Ann Shanes	141123
Howard, Truth Phyllis Howard, William John, Jr.	D.C.	Hudgins, John Jefferson	DC.
Howard, William Dolland	De	Hudging John Melton Je	Va.
Howard, William Rolland	DC	Hudgins, John Melton, Jr. Hudkins, Thomas Robert	DC.
Howe, Alice Margaret	DC	Hudock, Helene Eugenia	()h10
Howe, Barbara B.S. 1946. Wilson Teachers College	2, 6.	Hudson, Dugald Walker	S.C.
Howe, Denis Herbert George	Md.	B.S. 1940, Presbyterian College	
Howe, Gerald Shropshire	1573	Hudson, Frank Nece	Pa.
Howe, Henry Burks	DC. DC.	B.S. in M.E. 1944, Drexel Institute	
Howell, Anne Tron as	DC.	of Technology	
Havel David Mitchell	DC.	Hudson, James Matthew	W.Va.
Have I. David Mitchell Howell, Frances Dodd		A.B. 1948, The George Washington	
Howell, W. Hum Arthur	DC.	University	V'a
Howell, William Anthur Hower, Nelson Luther, Jr.	La.	Hudson, Kharmine Maxine	Va.
A.B. 1915. Louisiana Polytechnic		Hudson, Robert Roy, Jr.	D.C.
Institute		Hudson, Roy Allan	D.C.
Howerth, Shirley Claire	DC.	A B 1948, University of Arkansas	Tex.
Hawarton Hugh King	D.C.	Huey, Enders Phillip	
A.B. 1941. Northeast Missouri State		B.S. 1941, United States Naval	
leachess (Ollege		Academy Busy Palest Contra	DC.
A.M. 1947. The George Washington		Huey, Robert Carter Huey, William Moreland, Jr. A.B. 1936, University of California M.B.A. 1948, Harvard University Huff, Marion Mitchell	Calif.
University		A R 1006 University of California	
Howerton, Joseph Benjamin	Md	M.R.A. 1048 Harvard University	- 0
Howes, Charles F	DC.	Huff, Marion Mitchell	D.C.
Howes, James Knox	NJ.		
Howett, Jay Miller Howett, Mervyn Kenneth	Mass.	Huffman, Robert Ephraim	Ga-
Howett, Mervyn Kenneth	Mass	Huffman, Robert Ephraim Huffman, William Ewart Hufford, Priscilla Frances Hughes, Brandau Chappelle Hughes, Brent Harland	Md.
Howie, Denald Lynk	DC	Hufford, Priscilla Frances	00
Howmon, Irene S	DC.	Hughes, Brandau Chappelle	D.C.
Howley, John Reed A.B. 1941, Georgetown University		Hughes, Brent Harland	D.C.
4.B. 1943, Georgetown University	Va.	Hughes, Edmund Crump	n.C.
Hoxton, Archibald Robinson, Jr. A.B. 1939, Yale University		Hughes, Edna Cornelia	Va. D.C. D.C. D.C. Pa.
Hoyle, Anne Mildred	Md.	Hughes, Edmund Crump Hughes, Edna Cornelia Hughes, Edward James	Pa.
P. S. Anne Villainersity of Maryland	10001	Hughes, Elizabeth Margaret	Va.
A.M. 1046 Teachers College.		Hughes, Emra Dall	D.C.
B.S. 1941. University of Maryland A.M. 1946, Teachers College, Columbia University		Hughes, Eugene Francis	D.C.
Hoyle, Laura Moore	DC.	Hughes, Francis Homer, Jr.	
Mauma Lucila Fleanor	DC.	B.S. 1946, Salem College	Md.
Hoyt, John G B.S. 1943. United States Military	()hio	Hughes, Jacob William Hughes, James Thomas	Md.
RS 1041 United States Military		D.C. James Inomus	
Academy		B.S. 1010. Southern Methodist	47.
Hoyt, Homes Lewis	D.C.	University Hughes, John Temple	Va.
Hoyt Jeanne Edith	D.C.	Hughes, Marjory Heanor	DC Va
Hoyt Jeanne Feith Hoyt, John Paul	. 1261.	Hughes William Charles	(1/10
B.S. 1028. Middlebury College A.M. 1015. Collembia University Hort, Kenneth Boyd B.S. 1948. University of Maryland Hort, William George		Hughes, William Charles Hughes, William Malcolm Hughes, Witton John	Pa
A.M. 1014. Columbia University		Hughes Witton John	China
Hoyt, Kenneth Boyd	Md	Hui. Wing Yam	Md
B.S. 1948, University of Maryland		Without Vicainia Witherspoon	700-
Hoyt, William George	NY.	A.B. 1947. The George Washington	
Hronopulos, Era Chris	(1817	University	Va.
Hsiu, Nai-Shen	DC	Hulfish, Harr ett	V'a.
A.B. 1010. Nan-Kai University	C1	Hulfish, Jane Pennington	\'a
Msiu, Nai-Shen A.B. 1010. Nan-Kai University Huang, Shing-Yi	China	Hulfish Joan Spottord	Tenn.
A.B. 1945. Central Institute of Political Sciences, China		Hull. Alexander Harold, Jr.	Tenn.
Political Sciences, China	NH	Hull. Maury Isaas	
Huard, Louis Philippe Koger	20 11	A.B. 1932, Southwestern Washington	
B.S. 1948, Georgetown University	Va	A.B. 1932, Southwestern University A.M. 1946. The George Washington	26144
Hubbard, David	12.	University	Miss.
Hubbard, Miles Hunter	Val.	Hull, Ruth Buckley BS. 1010. Mississippi Delta Scate	
B.S. 1947. United States Naval		Tarchers College	VY.
Academy Hubbard, Myla	Ind	Teachers College Hull, Warren Robertson	D.C.
Hubbard, Myla Hubbard, Russell Hale, Jr.	Conn	Hulse, Fred Elbert	N.Y. DC. DC.
B.S. in E.F. 1944. Syracuse	COUL	Hulsey Judson Dowling	DC.
University		Hulsey, Judson Dowling Hult, Tora Mazamba	Va.
Hubbell, Sarah Glazier	Va.	Hulvey, Charles Newton, Jr. B.S. 1936, University of Virginia	
Huber, Charles Andrew	Pa.	B.S. 1936, University of Virginia	

Hume, John Wesley	Wis.	Hurwitz, William	DC
Hume, William Haywood	la.	Hurwitz, William Hussar, Edward John	D.C.
Humes, Theodore Leon	Pa.	A.D. 1940, The George Washington	
A.B. 1948, University of Pittsburgh Hummer, Robert Warren	D.C.	University Huston, Marjory Alice	011
Humphrey, John Julian	D.C. N.Y. D.C.	Hutchins Thomas Inchese	Ohio
Hambein Clayborne Mason	D.C.	Hutchinson, Claudia Helene Hutchinson, Eileen Marie	D.C. D.C. D.C.
Hundley, Henry Robert	W.Va. D.C.	Hutchinson, Eileen Marie	D.C.
Hundley, Merbert Wendell	D.C.	Hutchinson, Hechen Malanta	D.C. N.J.
Hungerford, James Ferguson Hunley, William Henry	D.C. D.C. D.C.	A.B. 1948. Duke University	N.J.
Hunsaker, Katherine Frances	D.C.	A.B. 1948, Duke University Hutchison, Nina Hutchison, Terrell Warron Hutmire, Edward William Hutson, Harrison Darlen	Mich.
Hunsberger Martin Leroy	Pa.	Hutchison, Terrell Warron	Va.
Hunsicker, Charles, Jr.	Md.	Hutson Harrison Dayler	Calif.
A.B. 1928, Princeton University LL.B. 1931, University of Pennsylvan Hunt, Alfred Edward	nia	A.B. 1948, Southeastern Louisiana	La.
Hunt, Alfred Edward	Ingland	College	
		Hutt, James Brooke, Jr.	Va.
A.B. 1928, LL.B. 1930, University of Illinois		B.S. in E.E. 1942, University of Michigan	
Hunt Lyman Willis	2.0.	Hutt, Stanley David	DC
Hunt, Lyman Willis Hunt, Niozelle	Tenn.	Hutt, Stanley David Hutt, Vincent Benjamin	D.C. N.Y. N.Y.
	D.C.	Hutter, Samuel Hutto, Henry Elvin	N.Y.
Hunt, Robert Miller Hunt, Thomas Joseph Hunter, Donald Vandsdal, Jr.	Md.	Hutton, Daniel Cogdell	Pla.
Hunt, I homas Joseph		A.B. 1947, University of Utah	D.C.
Hunter, Donald Vandsdal, Jr. Hunter, Edith May Hunter, Eldred Tait, Jr. Hunter, George Homer Hunter, Guy Norman Hunter, Sanith	Mass.	flutzier, flarriet	Va.
Hunter, Eldred Tait, Jr.	DC.	A.B. 1947. Goucher College	
Hunter, George Homer	D.C.	A.B. 1947, Goucher College Huyer, Anne Hyde, Edward Richard	N.Y.
Hunter, Guy Norman	D.C. D.C. D.C. N.Y.	RS in FF 1048 Pander Hatte	NV
Hunter, George Homer Hunter, George Homer Hunter, Jessica Smith B.S. 1942, Oneonta State Teachers College, N. Y.	24.4.	B.S. in E.E. 1948, Purdue Universit	Calif.
College, N. Y.		rivde, Joanne Strationd	Md.
Hunter, John Behr	W.Va. Va.	Hydeman William Robert	
Hunter, John Behr Hunter, Marilyn Jean Hunter, Millard Stanton	N.C.	A.B. 1933, Miami University A.M. 1937, Syracuse University Hyer, William Fred B.S. 1942, Oklahoma Agricultural	
B.S. 1938, University of North	N.C.	Hyer William Fred	n n
Carolina		B.S. 1942. Oklahoma Agricultured	Tex.
Hunter, William Campbell	Md.	Mechanical College	
Hunter, William Campbell Hunton, Richard Edwin	D.C.	Mechanical College Hylant, Emory Paul	
Hunter, William Campbell Hunton, Richard Edwin	D.C. Va.	Mechanical College Hylant, Emory Paul Hyman, Faye Marlowe	
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr.	D.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L.	
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr.	D.C. Va.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L.	D.C. D.C. D.C.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr.	D.C. Va.	Mechanical College Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund	D.C. D.C. D.C. Va.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr.	Md. N.J.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L.	D.C. D.C. D.C.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn	Md. N.J. Va. D.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L.	D.C. D.C. D.C. Va.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn	Md. N.J. Va. D.C. Md.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale	D.C. D.C. D.C. Va. Maine
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn	Md. N.J. Va, D.C. Md. D.C. D.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1048, Wilson Tanchers Callege	D.C. D.C. D.C. Va. Maine
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn	Md. N.J. Va, D.C. Md. D.C. Md. D.C. Md.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1048, Wilson Tanchers Callege	D.C. D.C. D.C. Va. Maine
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn	Md. N.J. Va, D.C. Md. D.C. D.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1048, Wilson Tanchers Callege	D.C. D.C. Va. Maine D.C. N.Y. N.Y.
Hunter, William Campbell Hunton, Richard Edwin Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Steuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurfbut, John Henry Hurley, Charles Warren Hurley, Irene Roberts B.S. 1948, Wilson Teachers College	Md. N.J. Va, D.C. Md. D.C. Md. D.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George	D.C. D.C. D.C. Va. Maine
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Irene Roberts B.S. 1948, Wilson Teachers College Hurley, John James	Md. N.J. Va, D.C. Md. D.C. Md. D.C. Md.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George	D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurflut, John Henry Hurley, Charles Warren Hurley, Irene Roberts B.S. 1948, Wilson Teachers College Hurley, John James A.B. 1948, The George Washington	Md. N.J. Va, D.C. Md. D.C. Md. D.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Kazumae Iddinsa, Lloyd Andre	D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Irene Roberts B.S. 1948, Wilson Teachers College Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley	Md. Md. N.J. Va. D.C. Md. Md. Md.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Kazumae Iddings, Lloyd Andre Ihara, Hideo	D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif. Va. Calif.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Irene Roberts B.S. 1948, Wilson Teachers College Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley	Md. N.J. Va. D.C. Md. D.C. Mc. D.C. Md. Md. Md.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Ladarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiu, Kazumae Iddings, Lloyd Andre Ihara, Hideo Ihrir. Kazumae	D.C. D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif. Calif. Va.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurlbut, John Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, Lya, Wilson Teachers College Hurley, John James A.B. 1048, The George Washington University Hurley, Rarl Corley Hurley, Rarl Corley Hurley, Robert Edward Hurley, Thomas J.	Md. N.J. Va. D.C. Md. D.C. Md. D.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Kazumae Iddings, Lloyd Andre Ihara, Hideo Ihrig, Katherine Aura A. B. 1930, University of Wiccosin A. B. 1930, University of Wiccosin	D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif. Va. Calif. Ohio
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley Hurley, Karl Corley Hurley, Thomas J. Hurschman, Jack	Md. N.J. Va. D.C. Md. D.C. Md. D.C. Md. D.C. Md. D.C. D.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helea Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Kazumae Iddings, Lloyd Andre Ihara, Hideo Ihrig, Katherine Aura A.B. 1930, University of Wisconsin Ikegami, David Takeshi	D.C. D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif. Calif. Ohio Hawaii
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley Hurley, Karl Corley Hurley, Thomas J. Hurschman, Jack	Md. N.J. Va. D.C. Md. D.C. Md. D.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helea Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Karumae Iddings, Lloyd Andre Ishara, Hideo Ihrig, Katherine Aura A.B. 1930. University of Wisconsin Ikegami, David Takeshi Imirie, Charles Wade Imlay, Carl Hudson	D.C. D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif. Va. Calif. Ohio Ohio Mawaii Md.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley Hurley, Karl Corley Hurley, Thomas J. Hurschman, Jack	Md. N.J. Va. D.C. Md. D.C. Md. D.C. Md. D.C. Md. D.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helea Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Karumae Iddings, Lloyd Andre Ishara, Hideo Ihrig, Katherine Aura A.B. 1930. University of Wisconsin Ikegami, David Takeshi Imirie, Charles Wade Imlay, Carl Hudson	D.C. D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif. Va. Calif. Va. Calif. O Hawaii Md. D.C.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley Hurley, Karl Corley Hurley, Thomas J. Hurschman, Jack	Md. N.J. Va. D.C. Md. D.C. D.C. Md. Md. Md. D.C. D.C. Md. Md. D.C. D.C. D.C. D.C. D.C. D.C. D.C. D.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Kazumse Iddings, Lloyd Andre Ihara, Hideo Ihrig, Katherine Aura A.B. 1930, University of Wisconsin Ikegami, David Takeshi Imrire, Charles Wade Imlay, Carl Hudson A.B. 1946, Harvard University Immen, Norbert George	D.C. D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif. Va. Calif. Va. Calif. O Hawaii Md. D.C.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley Hurley, Karl Corley Hurley, Thomas J. Hurschman, Jack	Md. MJ. Va. DC. Md. D.C. DC. Md. Md. D.C. DC. Md. Md. D.C. Va.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helea Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiwi, Karumae Iddings, Lloyd Andre Ihara, Hideo Ihrig, Katherine Aura A.B. 1930, University of Wisconsin Ikegami, David Takeshi Imrire, Charles Wade Imlay, Carl Hudson A.B. 1946, Harvard University Immen, Norbert George Interest Mann Edward	D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif. Va. Calif. Ohio Hawaii Md. D.C. D.C. D.C. D.C. D.C.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley Hurley, Karl Corley Hurley, Thomas J. Hurschman, Jack	Md. N.J. Va. Md. D.C. Md. Md. Md. D.C. Md. Md. Md. D.C. Md. Md. Md. D.C. Wa. Ma.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helea Hymowitz, Helea Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Kazumae Iddings, Lloyd Andre Ishara, Hideo Ihrig, Katherine Aura A.B. 1930, University of Wisconsin Ikegami, David Takeshi Imirie, Charles Wade Imlay, Carl Hudson A.B. 1946, Harvard University Immen, Norbert George Imrey, Mary Edythe Imster, Harry Frederick B.S. 1946, University of Michigan	D.C. D.C. D.C. Va. Maine D.C. N.Y. Calif. Va. Calif. Ohio Hawaii Md. D.C. D.C. Iowa
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley Hurley, Karl Corley Hurley, Thomas J. Hurschman, Jack	Md. MJ. Va. DC. Md. D.C. DC. Md. Md. D.C. DC. Md. Md. D.C. Va.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helea Hymowitz, Helea Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Kazumae Iddings, Lloyd Andre Ishara, Hideo Ihrig, Katherine Aura A.B. 1930, University of Wisconsin Ikegami, David Takeshi Imirie, Charles Wade Imlay, Carl Hudson A.B. 1946, Harvard University Immen, Norbert George Imrey, Mary Edythe Imster, Harry Frederick B.S. 1946, University of Michigan	D.C. D.C. D.C. Va. Maine D.C. N.Y. Calif. Va. Calif. Ohio Hawaii Md. D.C. D.C. Iowa
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley Hurley, Karl Corley Hurley, Thomas J. Hurschman, Jack	Md. N.J. Va. D.C. Md. D.C. D.C. Md. Md. D.C. D.C. Md. Md. D.C. D.C. Md. Md. D.C. D.C. Md. Md. D.C. Md. Moc. D.C. Va. Moc. Moc. Moc. Md. Ala.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helea Hymowitz, Helea Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Kazumae Iddings, Lloyd Andre Ishara, Hideo Ihrig, Katherine Aura A.B. 1930, University of Wisconsin Ikegami, David Takeshi Imirie, Charles Wade Imlay, Carl Hudson A.B. 1946, Harvard University Immen, Norbert George Imrey, Mary Edythe Imster, Harry Frederick B.S. 1946, University of Michigan	D.C. D.C. D.C. Va. Maine D.C. N.Y. Calif. Va. Calif. Ohio Hawaii Md. D.C. D.C. Iowa
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley Hurley, Karl Corley Hurley, Thomas J. Hurschman, Jack	Md. Md. N.J. Va. DC. Md. Md. D.C. DC. Md. Md. DC. Md. Md. DC. Md. Md. DC. Wa. Mo. DC. Wa. Mo. DC. C. Md. Ala. Mo. DC. DC. Md. Ala. DC. DC. DC. Md. Ala. DC. DC. Md. Ala. DC. DC. DC. DC. DC. DC. DC. DC. DC. DC	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helea Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Kazumae Iddings, Lloyd Andre Ishara, Hideo Ihrig, Katherine Aura A.B. 1930, University of Wisconsin Ikegami, David Takeshi Imirie, Charles Wade Imlay, Carl Hudson A.B. 1946, Harvard University Immen, Norbert George Imrey, Mary Edythe Imster, Harry Frederick B.S. 1946, University of Michigan M.S. 1947, M.S. in A.E. 1948, California Institute of Technology Indof, Frederick Anderson	D.C. D.C. D.C. Va. Maine D.C. N.Y. Calif. Va. Calif. Ohio Hawaii Md. D.C. D.C. Iowa
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurkett, Jack Walter Hurlbut, Iohn Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, John James A.B. 1948, The George Washington University Hurley, Karl Corley Hurley, Karl Corley Hurley, Thomas J. Hurschman, Jack	Md. N.J. Va. Md. D.C. Md. Ala. D.C. Va. Mo. D.C. N.C. N.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helen Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiwi, Karumae Iddings, Lloyd Andre Ihara, Hideo Ihrig, Katherine Aura A.B. 1930, University of Wisconsin Ikegami, David Takeshi Imrire, Charles Wade Imlay, Carl Hudson A.B. 1946, Harvard University Immen, Norbert George Imrey, Mary Edythe Imster, Harry Frederick B.S. 1946, University of Michigan M.S. 1947, M.S. in A.E. 1948, California Institute of Technology Indorf, Frederick Anderson B.S. 1938, University of Missouri	D.C. D.C. D.C. Va. Maine D.C. N.Y. N.Y. Calif. Va. Calif. Calif. O.C. Lowa Mo.
Hunter, William Campbell Hunton, Richard Edwin Huntsberger, Carl Myron, Jr. A.B. 1941, California Institute of Technology Huntt, Estella Elizabeth Hupp, Stuart Russell Huppmann, Charles James, Jr. Hurd, Marjorie Kathryn Hurel, Robert Andre Hurkett, Jack Walter Hurlbut, John Henry Hurley, Charles Warren Hurley, Charles Warren Hurley, Lyda, Wilson Teachers College Hurley, John James A.B. 1048, The George Washington University Hurley, Rarl Corley Hurley, Robert Edward Hurley, Thomas J. Hurschman, Jack Hurschman, Jack Hurschman, Jack	Md. N.J. Va. Md. D.C. Md. Ala. D.C. Va. Mo. D.C. N.C. N.C.	Hylant, Emory Paul Hyman, Faye Marlowe Hymowitz, Helea Hymowitz, Shirley L, Hynes, Robert Edward Hynes, Thomas Edmund I Iacangelo, Ralph Pasquale B.S. 1948, Wilson Teachers College Iadarola, Joseph Michael Iandolo, Angelo John Ichikawa, Torao George A.B. 1939, University of California Ichiuji, Kazumae Iddings, Lloyd Andre Ishara, Hideo Ihrig, Katherine Aura A.B. 1930, University of Wisconsin Ikegami, David Takeshi Imirie, Charles Wade Imlay, Carl Hudson A.B. 1946, Harvard University Immen, Norbert George Imrey, Mary Edythe Imster, Harry Frederick B.S. 1946, University of Michigan M.S. 1947, M.S. in A.E. 1948, California Institute of Technology Indof, Frederick Anderson	D.C. D.C. D.C. Va. Maine D.C. N.Y. Calif. Va. Calif. Ohio Hawaii Md. D.C. D.C. Iowa

Ingalls, Curtis Wayne	S.D.	Inches Dal 181-1	
Ingalls, Virginia Isobel	Maine		V
Ingerson, Robert Bruce	Minn.	Jackson, Charles Louis Jackson, Duane J.	Okl
Ingoldsby, James Leo Ingram, Frances Baker	Va.	B.S. 1936, Central State College Jackson, Frances Beatrice	0.50
A R ADAR The Course West's	D.C.	Jackson, Frances Beatrice	Teni
A.B. 1947, The George Washingto University	202	D.S. 1931. Fast Johnston State	
Ingram, Robert Lee	NC	College	n.c
Ingram, Robert Lee Innes, Yvonne Keelde	DC	Jackson, Frank Shields A.B. 1947, The George Washington	D.C
Inserni, Hiram	N.C. D.C. D.C. D.C.	University	
Intrater, Natalie Block	D.C.	Jackson Conses District	D.C
Inzinna, Joseph Francis	D.C.	Jackson, George Willie	D.C
LL.B. 1944, University of Buckar		Jackson, James Douglas	D.C
Ireland, Ana Evelyn	Ind.	Jackson, George Willie Jackson, Joseph Brown, Jr A.B. 1946, Texas Technological Collackson, Joseph Warren Jackson, Luther Harden Jackson, Luther Harden Jackson, Mariorie Ann	Tes
A.B. 1938, A.M. 1941, The Geor	ge	lackson, Joseph Warren	Ga Ga
Washington University	-	Jackson, Luther Harden	Va
Ireland, Mary Louise	Md.		Md
A.B. 1937. Western Maryland Col	lege	Jackson, Martha Nell	Tenn
Irico, Joseph Irland, Ruth Mitchell	N.Y.	Jackson, Owen Wilson, Jr.	DC
B.S. 1046. Bucknell University	Pa.	Jackson, Philip Grant Jackson, Rita Anne	DC
M.S. 1948, Wayne University		Jackson, Robert Eugene	Ind.
B.S. 1946, Bucknell University M.S. 1948, Wayne University Irvia, Herbert McClellan	W.Va.	B.S. 1947. The George Washington	
A.B. in Ed. 1941, Shepherd Collegering, George Timothy	ge	B.S. 1947, The George Washington University	0
Irving, George Limothy	Iowa	Jackson, Robert McClelland	DC.
A.B. 1947. West Virginia University	W.Va.	Jackson, Ruth	Md.
Irwin, Grattan George A.B. 1947, West Virginia Universit	D.C.	A.B. 1948, The George Washington University	
Irwin, Mort Foster Irwin, Ray William	D.C	Jackson, Sarah Whetz	Vac
Irwin, Ray William	Pa.	A.B. 1928, Agnes Scott College	
Isaac, Charles Martin Isaac, Elsie Ledger	D.C.		D.C.
Isaac, Isadore	Md. D.C.	Jackson, Thomas Lester	Calil
Isaacs, Irma	III.	Jackson, Thomas Leater Jackson, William D'Aguilar B.S. in B.A. 1927, University of Southern California Jackson, William Edward, Jr. Jackson, William Leona Jackson, Lobb Beward	Carr
Isbell, Frances Wyatt	Ter	Southern California	
A.B. 1947, College of William and		Jackson, William Edward, Jr.	D.C.
Mary Isbell, Frank Marshall	-	lackson, Wilma Leona	Ohio
Isen, Forester William	D.C.	Jacob, John Brevard Jacob, Phyllis Eileen Jacob, Wayne Thompson	D.C. D.C. N.Y.
Iseri, Kathleen	Calif.	Lacob Wayne Thomason	N.Y.
Ishee, Tommy Cobie	Miss	LACODI, ATTRUC Attred	Md.
A.B. 1946, Mississippi State College		B.S. 1919. New York University	. 63
Isniguro, Emiko	Pa.	Jacobs, James Wriley	Md.
A.B. 1945, Wellesley College Ishio, Sunao		B.S. 1010. New York University Jacobs, James Wriley Jacobs, Judith Florence Jacobs, Judith Frank	D.C.
Ishiyama, Kyoko	Utah	Jacobs, Judith Frank	D
Iskrant, Albert Patrick	Va. Ireland	A.B. 1946, Antioch College A.M. 1947. The George Washington	
B.S. 1930, University of Ireland	***************************************	University	00
A.M. 1941, Catholic University of		Jacobs, Milton	DC.
America	-	A.B. 1048. The George Washington	
Isler, Jeanette Arlene Caroll Isley, Dale Elmer	III.	University Cliff 1	D.C.
Itom, Clifford Clinton	D.C.	B.S. 1042. College of the City of	
B.S. 1039, Kanaas State College Israel, Thomas Sewell Itkin, Karl	A01.	New York	17.
Israel, Thomas Sewell	Md.	Jacobs, Sidney Powell, Jr.	NY.
RS in FAR	D.C.	Jacobs, Sidney Powell, Jr. Jacobs, Walter William B.S. 1014. College of the City of	74 1.
B.S. in Ed.E. 1934, Cooper Union Indicello, Lawrence Samuel	200	B.S. 1014. College of the City of	
Iuey, William Richard	D.C. Fla.	New York A.M. 1040. The George Washington	
Iuey, William Richard Iueo, Mary Jo	N.J.		20
		Iacobs, William Henry	DC.
I		Jacobion, Allen Sanger	Nebr.
Janns, Martha	DC	lacobion, filizabeth frene	D.C.
Jachimczyk, Mary Thereas	D.C. Conn.	B S. 1040. College of the City of	
Jackimczyk, Mary Theresa Jack, Paul Summers, Jr.	Va.	Nam Vach	N.D.
Jackowski, Amil Walter	Mass.	Jacobson, Odd Thomas A.B. 1048. The George Washington	14.17.
B.S. 1949. American International		A.B. 1948, The George Washington	
Jackson, Andrew Wirt, Jr.	DC	L'niversity	Va.
lackson, Betty Louise	D.C. D.C.		DC.
Jackson, Blaine Carroll	W.Va.	Jacobson, Wesley Cassel	D.C.

Incoher Incounter Francis	12	1.00	
Jacoby, Jacquelyn Frances Jacoby, Katherine	Va.	Jeffers, John Cordell	Va.
A.B. 1941, Lindenwood College	Mo.	Jefferson, Alfred Carter	Tex.
Jacoby, Margery Ann	Mo.	Jefferson, Jennie Marguerite Jefferson, Louis Wilson, Jr. Jefferson, William Douglas	Va.
Jacoby, Margery Ann Jacckel, Georgie Marion	Fla.	Jefferson, William Douglas	D.C.
A.B. 1948, Florida Southern College Jaeger, Cynthia Ann		Jeffery, Kenneth Lee	D.C.
Jaeger, Cynthia Ann	D.C.	Jeffery, Kenneth Lee B.S. 1938, University of Pennsylvani leffrey, Charles Thomas	Va.
Jaeschke, John Henry	D.C.		D.C.
Jaffe, Eli Jaffe, Irving A.B. 1948, New York University Jaffe, Irving Stanley	Va. N.Y.	Jeffries, Albert Carmie A.B. 1948, The George Washington	D.C.
A R 1018 New Veck University	Id. I.	A.B. 1948, The George Washington	
Jaffe, Irving Stanley	N.Y.	University Jeffries, Ardith Elaine	
A.B. 1945, University of Michigan		Jeffries Corinna Flagon	D.C.
Jaffe, Sidney Abraham	D.C.	A.B. 1944, Baldwin-Wallace College Jeffries, Helen Jeffries, John, Jr. R.S. 1942, Herwood Hairman	Va.
Jaffe, Sidney Abraham A.B. 1938, The George Washington		Jeffries, Helen	Va.
University		Jeffries, John, Jr.	W.Va.
Jaffee, Max	N.Y.	B.S. 1947, Harvard University	** . * #.
Jagbandhansingh, Alvan Emerson Jaicks, Agar Jaimendes, John Joseph	D.C.	Jeffries, Virginia Lee	D.C.
Jaices, Agar	Md.	Jenries, William Mac	Va.
	Tenn.	B.S. 1947, Harvard University Jeffries, Virginia Lee Jeffries, William Mac Jelalian, Ashod Jelling, Winifred Morgan Jemison, Dorothy Allen Jenkel, Albert Arthur Jenkel, Martin John, Jr. Jenkins, Arthur Lee	Mass.
Jakes, Robert A.B. 1928, Vanderbilt University James, Andrea Lee James, Edith Lee James, Festus Burrell	di dinami.	Jemison, Dorothy Allen	Va.
James, Andrea Lee	Pa.	Jenkel, Albert Arthur	D.C.
James, Edith Lee	D.C.	Jenkel, Martin John, Jr.	Iowa
James, Festus Burrell	WU V u	Jenkins, Arthur Lee Jenkins, David Kay	Iowa Md.
James, Gladys Elizabeth	Va.	Jenkins, David Kay	Pa.
James, Howard Victor	Md.	Jenkins, George Marion Jenkins, Kempton Boyce	Pa. D.C.
James, Lloyd Edward	Mass.	Jenkins, Kempton Boyce	Va.
James, Gladys Elizabeth James, Gladys Elizabeth James, Howard Victor James, Lloyd Edward James, Lois Knightley B.S. in Ed. 1937, M.S. in Ed. 1941 Boston University James M Lucille	MINDO.	A.B. 1948, Bowling Green State University	
Roston University	9	Jenkine Otis Marshall	
James, M. Lucille		Jenkins, Otis Marshall Jenkins, Robert Lawrence	Va.
James, Paul Marshall	D.C.	Jenks, Loren Morgan, Jr.	Pa. Va.
James, Robert Wilson	D.C.	Jennings, Barnard Fulton	Va.
Jameson, Anne Pappas	Mass.	B.S. 1948, University of Virginia	V 44.
Jamison, Mary Mildred Jamison, William Franklin	Fla. Md.	Jennings, Floyd	D.C.
Jamison, William Franklin	R.I.	Jennings, James Murray Jennings, Marvin Edward, Jr.	D.C.
Jampolsky, Alton Morton Jan, Helen Regina	N.I.	Jennings, Mary Claire	Va. D.C.
Jan, John	N.J.	Jennings, Nancy Alice	
Janes, David Griffing	Wis.	Jensen, Earl H.	Md.
A.B. 1937, Carroll College	0.70	Jensen Fillings Christal	Okla. ermany
Jangula, Robert Eugene	S.D.	The same of the same of	or coontilly
Janke, Edward Frederick Janoski, Joseph Andrew Janson, Lars Edward	D.C.	Copenhagen	
Janouer, Joseph Andrew	N.J. Va.	Jensen, Mabel S.	Mass.
Janssen, William Joseph Jarsmillo, Amelia Canlas	N.Y.	Jensen, Raymond Allen	D.C.
Jaramillo, Amelia Canlas	Calif.	A.B. 1948, Bowdoin College Jensen, Samuel Byron	550
Jardine, James Carroon	D.C.	Jensen, Willis John	Wyo.
Jarema, Frank Gerald	Ohio	B.S. 1947, Pennsylvania State College	Wyo.
Jardine, James Carroon Jarema, Frank Gerald Jarrell, Virginia Lee	D.C.	Jensen, Willis John B.S. 1947, Pennsylvania State College Jentile, Ralph Francis	Pa.
Jarrett, Charles Harold	Va.	Jentzen, Antoinette Eugenie	N.J.
Jarvinen, Henry Waino A.B. 1939, Weileyan University A.M. 1941, Columbia University Jarvis, Albie Joseph	N.Y.	Jeppson, Shirley Melvin	Utah
AM tost Columbia University		Jernberg, Dale Leonard	Md.
Iarvis, Albie Ioseph	Mass.	Jeson Walter Manfand	N.Y. Va.
lasch, Josephine Luge	Md.	leter William Tyree	Va.
Jasch, Josephine Luge Jasch, Verlin Elmer	Ind.	Jeppon, Shirley Melvin Jernberg, Dale Leonard Jerome, Charles Joseph Jessop, Walter Manford Jeter, William Tyres Jett, Lewis Archie, Jr. A.B. Joseph	Okla.
Jaskiewicz, Edmund Michael	Conn.	A.B. 1941, College of William and	Va.
B.S. 1947, University of Connecticut	_	Mary	
Jaskiewicz, Joseph Francis	Pa.	lew Kan Kai	DC
Jaskot, Catherine Ann	Vt.	Jewell, Joseph Thomas, Jr.	D.C.
Jasper, Estelle Shirley	N.Y. Va.	Jewell, Joseph Thomas, Jr. Jewett, Vivian Holland Jividen, Randolph Lane	Va.
Jasper, James Dudley Jass, Andrew Edward	N.Y.	John Harrel Kandolph Lane	W.Va.
Iaszczult, Thaddeus Peter	Va.	Jobe, Harrel Kent	Va.
Jaszczult, Thaddeus Peter B.S. in E.E. 1939, Newark College	V =-	Jobe, Milton Lockwood Jobe, William Theodore	Ala.
of Engineering		Jobsis, Frans Frederick	D.C.
layne, Martha	Pa.	Joel, Clark	N.C.
B.S. 1940, Pennsylvania State College	e	Joel, Clark Joel, Lambert Savel	D.C.
B.S. 1940, Pennsylvania State Colleg Jaynes, John Thomas Jecke, Perry Joseph	Kans.	Joffe, Howard Nathan	D.C. D.C. N.Y. D.C. N.Y.
Jecke, Perry Joseph	Md.	Johann, Walter D.	Iowa
Jedruch, Joseph Stanley	Pa.	Johansen, John Edwin	Ala.

	_		
Johler, Joseph Ralph	Pa.	Johnson, John	Va.
A.B. 1941, American University	OL:-	Johnson, John August, Jr.	D.C.
Johnnes, Peretz William	Ohio	LL.B. 1934, LL.M. 1940, Washing College of Law	ton
Johns, Jaquelin Smith	D.C.	College of Law	D.C.
Johnsmeyer, Darolyn Eileen	Kans. D.C.	Johnson, John Burges	III.
Johnson, Albert E.	Ind.	Johnson, John Edgar	D.C.
Johnson, Albert Edward I'h.B. 1939, LL.B. 1932, Yale	Burne.	Johnson, John Henry Johnson, John Sterling	11
I managed M		Johnson, John Vincent	Md.
Johnson, Albert Sidney	Md.	Johnson, Joyce Elizabeth	DC.
B.S. 1936. University of South		Johnson, Kareen	Ores.
Carolina		Johnson, Keifer Raye	Ala.
	Mass.	A.B. 1945. The George Washington	
Johnson, Alfred Paul Johnson, Andrew Robert Johnson, Becky Johnson, Benjamin Thomas	N.J. N.C. D.C.	niversity	
Johnson, Becky	N.C.	Johnson, Lauren Merle	Kans.
Johnson, Benjamin Thomas	D.C.	Johnson, Lee Reames	Va.
Johnson, Bernard Lee	D.C.	Johnson, Leighton Eugene	Ohio
Johnson, Bernard Robert	Tex. D.C.	Johnson, Leslie Addison Johnson, Louis Earl	DC.
Johnson, Bernard Lee Johnson, Bernard Robert Johnson, Carl Richard Dean Johnson, Carl Davis	Va.	Johnson, Margaret Elizabeth	D.C.
A.B. 1948, University of Kansas Cit		Johnson, Margaret Miriam	Pa.
Johnson, Charlotte Albertina	Minn.	BS in Ed. 1047 State Teachers	
RRA 1012. University of Minneso	8.5	B.S. in Ed. 1942, State Teachers College, California, Pa.	144
B.B.A. 1912. University of Minneson Johnson, Clarence Arthur	Pa.	Johnson, Marjone Pennington	Mag.
Johnson, Clarence Arthur A.B. 1935, Pennsylvania State Colleg Johnson, Clarence Walter Johnson, Daniel Bruce Johnson, Daniel Lyle	ge	Johnson, Marjone Pennington Johnson, Mary Tabitha	Md. D.C. D.C.
Johnson, Clarence Walter	D.C.	Johnson, Naemi	Iowa
Johnson, Clyde George	D.C.	Johnson, Nellie D.	N.Y.
Johnson, Daniel Bruce	D.C. W.Va.	Johnson, Noreen	D.C.
Johnson, Daniel Lyle		Johnson, Norton Steele Johnson, Olin Beeler	Mo.
Johnson, Daniel Lyne A.B. 1949, Shepherd College Johnson, Daniel Lyna Johnson, Darrell Edward Johnson, Donald Holmberg	Md.	A.B. 1944. Western Michigan Colles	e
Johnson Darrell Edward	D.C.	Johnson, Patricia Anne	N.H.
Johnson Donald Holmberg	Md.	Johnson, Patricia Gilmore	MA.
Johnson, Donald Lewis	8.C.	Johnson, Paul Pogerty	IIL
B.Ch.E. 1947. Purdue University	m (1)	Joinson, Paul John	D.C.
Johnson, Dorothy Lee	D.C.	Johnson, Peter Herbert A B 1948. The George Washington	Die
Johnson, Donald Holmberg Johnson, Donald Lewis B.Ch.E., 1947, Purdue University Johnson, Dorothy Lee Johnson, Douglas Harold Johnson, Douglas Richard Johnson, Elise Hill Johnson, Elise Hill Johnson, Elsie Mildred Johnson, Elsie Mora B.S. 1936, Wilson Teachers College Johnson, Eva M. Johnson, Everett Carl Johnson, Floyd Raymond	Iowa	A B 1948. The George Washington	
Johnson, Douglas Richard	D.C. Va.	University	N.Y. D.C. D.C.
Johnson, Elise Hill	D.C.	Johnson, Ray Marshall Johnson, Richard Carl	D.C.
Johnson, Elma Civera	Pa.		D.C.
Johnson, Elsie Nora	D.C.	luluson Roy Arnold	Minn. D.C. D.C.
R.S. 1016. Wilson Teachers College		Johnson, Ruth Theodora	n.C.
Johnson, Eva M.	Md.	Johnson, Roy Arnold Johnson, Ruth Theodora Johnson, Sybil Jean B.S. 1046, Wilson Teachers College Johnson, Theodore Robert Johnson, Victor Erie Johnson, Victor Herbert Johnson, Victor Merbert Johnson, Warren Louis Johnson, Wilda Elaine	Die
Johnson, Everett Carl	Va.	B S. 1946, Wilson Teachers College	p.C.
Johnson, Floyd Raymond	Wis.	Johnson, Theodore Robert	D.C. D.C.
Johnson Frances Ashira	D.C.	Johnson, Victor Eric	D.C.
A.B. 1017. A.M. 1919, The George		Johnson, Victor Herbert	D.C.
Washington University Johnson, Frank Tracy	Md.	Laborate Wasses Louis	Md. D.C.
Johnson, Harly Greene	Md	Johnson Wilds Flains	D.C.
Johnson, Helen L.	Nebr.	Johnson, William Bowman	n.C.
Johnson, Henry Edwin	D.C.	Johnson, Wilda Elaine Johnson, William Bowman Johnson, William Horace	Pa. D.C. D.C.
Johnson, Howard Hamilton, Ir.	D.C.	Johnston, Allen Knight	Va.
Johnson, Howard Hamilton, Jr. A.B. 1948, The George Washington		Johnston, Doris Jean	p.C.
University		Johnston Mariorie Appe	D.C. D.C.
Johnson, Howard Odin	Va.	Inhuston, Milton Ressler	Va.
B.S. in Ed. 1934. State Teachers		Johnston, Richard Charles	Mich.
College, Eau Claire, Wis.		Johnstone, James Bruce	D.C.
A.M. 1948, The George Washington University		Interactione, James Douglas Interactione, James Taylor	Calif.
Inhason Hugh Charles	Va	Inhestone Janice Bronson	Mich.
Johnson, James Anthony	Wis	Johnstone, Janice Bronson Johnstone, William Henry	Vs.
Johnson, James Coombe	Va.	Joiner, Osceola Coheld	
Johnson, Hugh Charles Johnson, James Anthony Johnson, James Coombe Johnson, James Cyril	Mass.	B.S. 1940, State Teachers County	9.7
D.S. 1939, Doly Cross, College of the	100	PIONERCE, ALM	Vs.
Johnson, James Ernest	Ky.	Jolson. Marvin Arnold	NJ.
B.S. 1948, Murray State Teachers College, Ky		Iones, Allen Hughet	NC
Johnson, James M.	D.C	lones, Allen Hughes lones, Benjamin Perry, Jr.	NC DC.
Johnson, James Monroe	Wis	lones, Calvin Clark	Va.
Johnson, James Myrover	D.C.	T O I March assess	
Johnson, James Walter	D.C	A.B. 1037. University of Oregon	

7. 0.1 5			
Jones, Carlton Benton B.S. 1933, United States Naval	Calif.	Jones, Theodore William A.B. 1947, Western Reserve College Jones, Virginia Walton A.B. 1944, The George Washington University	01.
Academy		A.B. 1947. Western Reserve College	Ohio
Jones, Charles Clifford	Ark.	Jones, Virginia Walton	Va.
Jones, Charles Clifford Jones, Christine L.	V.	A.D. 1944, The George Washington	V 1000
Jones, Claggett Aloysius Jones, Compton	D.C	University Jones, Walter Warren Jones, William McPheeters B.S. 1920 The Citable	
Jones, Compton	D.C.	Jones, William McPhoses	Ky.
Jones, Cullen Bryant A.B. 1948, The George Washington University	D.C.	B.S. 1929, The Citadel	Va.
A.B. 1948, The George Washington		Jongbloet, Louis	D.C.
University Jones, Darrell Lloyd	600	A.B. 1932, Villanova College A.M. 1934. Duke University	D.C.
Jones, David John	Tex.	A.M. 1934. Duke University	
Jones, David John Jones, Donald	Va.	LL.D. 1947. The George Washington	
Jones, Doris Jeanne	D.C.	Chiversity	
Iones Donnehm		Jonson, Carl Egerton Jordan, Allan William	Va.
A.B. 1946, University of Miami Jones, Edmund Charles		Jordan, George Sanford	Va.
Jones, Edmund Charles Jones, Emerson Richard	Md.	Jordan, George William	D.C.
Jones, Emerson Kichard	D.C.	Jordan, George William Jordan, Rena Claire	Va. Miss.
Jones, Estill Boen	D.C.	Jordan, Robert Francia	D C
A.B. 1941, Berea College Iones, Everitt Craig, Jr. Jones, Frank Pierce, Jr.	NC	Jorgenson, James Lewis Jorgenson, Kristina	D.C. Va.
Iones Frank Piecce Te	N.C. Tex.	Jorgenson, Kristina	D.C.
Jones, Frank Smith	D.C.	Josephson, Gilbert C.	Md. Va.
Jones, Gordon Welch	D.C.	Joy, Helen Maxine	Va.
Jones, Gracy Gordon	N.J.	Juhien, Walter Louis	Tex. D.C.
Jones, Harold Llewellyn	N.J. D.C. D.C.	Juarez, Joe Angel Jubien, Walter Louis Judd, Dean Barritt	D.C.
Jones, Harriet Ann	D.C.	Judson, Harriet Babenek	Md.
Jones, Harry Clay Jones, Harry Lee, Jr.	Va.	Judy, Deborah Nielsen	D.C.
Jones, Harry Lee, Jr.	Mo.	Judson, Harriet Baboock Judy, Deborah Nielsen B.S. 1946, Wilson Teachers College Judy, Martin Conner A.B. 1946, Shepherd College Jungst George William	2.0.
Jones, Helen Betchley	Va.	Judy, Martin Conner	D.C.
B.S. 1032, Syracuse University Jones, Helen Stuart	Va.	A.B. 1940, Shepherd College	
B.S. 1936, Mary Washington College	V		Ohio
B.S. 1936, Mary Washington College Jones, Hubert Glenn	Ga.	Julian, Archie Julian B S. 1942, United States Naval	Va.
Jones, Ira Lee	D.C.	Academy	
Jones, Jack Clayton	Chirla	Julien, Carl Alden	Oreg.
B.Ch.E. 1939, Oklahoma Agricultural		B.S. 1945, University of Washington	OICE.
and Mechanical College Jones, James Absalom	DC	B.S. 1945, University of Washington M.S. 1947, University of Notre Dame Julin, Joseph Richard	
Jones James Fraderick	D.C.	Julin, Joseph Richard	TH.
Jones, James Wheeler Jones, John Link	Tenn.	Julisson, Mary Rose	D.C. D.C.
Jones, John Link	W.Va.	Julius, Richard Friedli Juncal, Raymond Wright	D.C.
	Ark.	Jung, Lucile Margaret	D.C.
Jones, John Raymond Jones, Katy Mae	D.C.	Jungblut, Edward Wilmont	P. I
De sons Cambon P. Austin Co.	Tex.	Jungblut, Helen Odelia	Fla N.J.
B.S. 1933, Stephen F. Austin State		Jungen, Leo John	
M.S. in Ed. 1946, Southern Methodist		Junker, Francis Joseph	D.C.
University		Junker, Norman Amos	D.C.
Jones, Margaret Evelyn	N.Y.	Jurash, Peter Paul	D.C.
Jones, Merriam Arthur	Va	Junker, Francis Joseph Junker, Norman Amos Jurash, Peter Paul Juster, Calvin Cecil Lustman, Sinces	D.C.
A.B. 1953, University of North Dakot	ta a		N.Y.
Jones, Morton David	Nebr.	B.S. 1939. College of the City of New York	
Jones, Murray Oneil	Mo.		
Jones, Natalie G.	D.C.	Jyraka, Edward Walter	Mass.
Jones, Nathan Eugene	Va.	K	
Jones, Nelson Reide	Va	Kaczmar William	Pa.
Jones, Raphael Semmes	D.C.	Kadala, Roger Henry B.S. in C.E. 1949, Catholic University of America	D.C.
Jones, Richard Nixon	Pa.	B.S. in C.E. 1949, Catholic University	D.C.
Jones, Robert Franks	N.J	of America	,
Jones, Robert Howard	Va.		N.J.
Jones, Robert Hudson	Va.	Kadri, Mohamed Said	Egypt
B.S. 1929, University of Missouri M.S. 1933, Union College Jones, Robert Joha		A.D. 1939, Fonadi University, Cairo,	
Iones Robert John College	9.5	Egypt	
Jones, Robert Paul	Va.	Kaffenberger, William Michael	III.
Jones, Russell Burton	D.C.	Kahler, Lois Ann	Md.
Jones, Ruth Bowman	Tex.		Mass.
Jones, Ruth Elsi	D.C.	Kahn, Cathleen Louise	N.Y.
A.B. 1940, Baylor University	D.C.		N.Y.
Jones, Shirley Marie	Va.	A R some Vole II-	N.Y.
A.B. 1948, Madison College	VA.	A.B. 1932, Yale University Kahn, Fritz Reiner	241
2000		reading costs systems	Md.

Kahn, Kalvin	Pa.	Kaplan, Louis Charles	D.C
A.B. 1948, University of Pennsylvan		A.B. 1934, Yale University	
Kahn, Leon	Va.	LL.B. 1945, LL.M. 1948, George- town University	
A.B. 1946, I.L.B. 1948, The George		town University	N.Y.
Washington University		Kaplan, Nathan	Let w.
Kahn, Myer Bartel	Pa.	B.S. 1939, College of the City of	
B.S. 1938, University of Scranton Kaiser, Anna Louise		B.S. 1030, College of the City of New York	D.C.
Kaiser, Anna Louise	Va.	Kappler, Charles Theodore	D. C.
Kaiser, Donald Fredrick A.B. 1947, North Texas State Teachers College	Md.	A.B. 1942, Yale University Kapsianos, William George	D.C.
A.B. 1947, North Texas State		Kapsianos, William George	N.I.
Teachers College		Kapuscinski, Wallace John	N.J.
	D.C.	Karadimus, Peter Spiros	Md.
Kaiser, Stante Bewin A.B. 1918, Harvard University Kait, Harry Carl B.S. 1928, Temple University LL.B. 1938, University of Newark Kaitz, Hyman Benjamin A.B. 1942, The George Washington	D.C.	Karagiorgos, Nicholas Demetrios Karagianis, Konstantinos Karazikas, Eleni Pericles	D.C.
A.B. 1918, Harvard University		Karayianis, Konstantinos	D.C.
Kait, Harry Carl	N.J.	Karazikas, Eleni Pericles	Va.
B.S. 1928, Temple University		E scholing (Suction)	Mass.
LL.B. 1938, University of Newark		Karczmarczyk, Edward John Kardy, Leonard Thomas Kardya, Helen E. Kardya, Helen E.	D.C. N.Y.
Kaitz, Hyman Benjamin	Mass.	Kardy, Leonard Thomas	N.Y.
A.B. 1942, The George Washington		Kardys, Helen E.	Niebr.
University		Karel, Elaine Marie	D.C.
Kakalec, John	Pa.		N.J.
Kalavritinos, John Christopher	D.C.	Karibjanian, France Amelie	rs
Kalavritinos, John Christopher Kalb, Vernon Fredric	Ky.	Karibjanian, France Amelie A.B. 1941, New Jersey State Teacher College, Montclair	_
D.S. In E.E. 1947, University of		College, Montclair	D.C. N.Y.
Kentucky		Karibeanian, George J.	N.Y.
Kalenik, Frank Albert	N.Y.	Karibeanian, George J. Karlin, Jack Irwin	
Kalfus, Ira	N.J. D.C.	A.D. 1941, Inc George Washing	
Kalicka, Howard Lewis		University	D.C.
Kalin, Gloria Nancy	Mass.	Karmazin, Theodora Audrey	D.C.
Kallina, Beatrice Josephine	N.Y.	Karousatos, Fotis Nickolas	D.C
Kallis, Selma Gottlieb	III.	Karp, Jeanette Karp, Merle Eleanor	D.C.
A.B. 1922, A.M. 1924, Ph.D. 1927,		Karp, Merle Eleanor	N.Y.
University of Kansas		Karpas, Herbert Robert	D.C. D.C. D.C. N.C. N.C.
Kallman, Beatrice	N.Y.	Karpinos, Bernard D	
B.S. 1948, The George Washington		Ph.D. 1936, University of Iowa Karr, Lyman Wallace	D.C.
University		Karr, Lyman Wallace	Calif.
Kallmyer, Roy Leslie	Md.	Karr, Sylvia Quesenberry	Ind.
Kalman, Benjamin	Md.	Karsell, Flora Hartley A.B. 1941, Indiana University Karsted, Jessie Walton	1010
Kalmans Lorraine	D.C.	A.B. 1941, Indiana University	Fla.
B.S. 1941, Wilson Teachers College		Karsted, Jessie Walton	Va.
Kalter, Arthur Martin	N.J.	Karstens, Ruth Flora	Pa. N.Y.
Kalvin, Paul Craig	D.C.	Karstens, Ruth Flora Kaschak, John Michael Kaskell, Ralph L., Jr.	14.1.
A.B. 1948, The George Washington	0101	Kaskell, Kaiph L., Jr.	n.C.
University		LL.B, 1930, Pordnam Oniversity	D.C.
	Iceland	LL.B, 1936, Fordham University Kaslow, Herbert	NI I
	Hawaii	Kaipar, Fienry Nations	N.Y.
	Md.	Kasprixyk, Laura Joan	Lara.
Kamen, Henry Theodore		Kassoff, Arthur Irving A.B. 1946, The George Wathington	
Kamikawa, Juichi	N.J.	A.B. 1940, The George	NY.
Kamm, Arthur Thorpe	D.C.	University	N.Y.
A.B. 1947, American University	W.	Kates, Raymond Charles	NY.
Kamp, Doris Elizabeth	Va.	Kath, Lloyd Louis	74
Kan, Perry Harlan	Va.	A.B. 1941, University of Michigan	N.J.
Kananack, Barbara Audrey	N.Y.	Waterham William	10.0
Kane, Daniel Raymond	Mass.	R.S. 1948, Mississippi Southern	
Kane, Frank Michael	Pa	College	D.C.
Kane, Paul Joseph	Ind.		D.C.
Kaneko, Arthur Masaaki	Calif.	Katrivanos, James	74.
Kaneshiro, Keith K.	Va.	Katz, Aaron B.B.A. 1941, M.S. 1947, College of the City of New York	
Kangas, Jorma Jack	Minn.	she Cian of New York	p.C.
Kanline, John Robert	Va.	Katz, Bernard Solomon	2014
Kannenberg, Myron Hollis	Minn.	A.B. 1948. University of Maryland	Md.
Kantor, Sidney	N.Y.	Katz, Gerald 1	N.Y.
A.B. 1947, The George Washington	24.61	Kata Joseph P.	
University		Katz. Joseph P. B.B.A. 1939, College of the City	
Kantrowitz, Daniel George	D.C.	of New York	
Kantrowitz, Gerald	Conn	J.D. 1948, The George Washington	
	N.Y.	University	DC.
Kaplan, Bertram W.	D.C	Katz. Julius	DC.
Kaplan, George	Ill	Katz. Julius L.	Del.
Kaplan, Harry A.B. 1948, The George Washington	711	Katz, Leon	Tex.
University University		Katz. Morton Harry	
OHIVEI DILY		17070' 14104 1011 1111'	

Katz, Murray	N.Y.	Keesling, Harold Charles Is	b 0
B.Ch.E. 1947, College of the Cit	ty	Keesling, Harold Charles, Jr. Keeter, Charles Pace	DC.
Katz, Richard Gordon	DC		D.C. D.C.
Katz, Sara Levit	D.C.	Keil, Janiel Leavy Keil, Hortense Judith B.S. 1939, The George Washington University Keitter, Richard Edwin III	Kans.
B.S. in Ed. 1939, University of	D.C.	University The George Washington	
Pennsylvania		Keister, Richard Edwin III	
Katzman, Herman Julius Kauffman, Shirley Louise Kaufman, Bernard	N.Y.	Keith, Deane Ellington	D.C.
Kaufman, Shirley Louise	Va.	Keith, Deane Ellington B.S. 1943, University of Maryland Keith, Millard	Va.
Kaufman, Bernard	N.Y.	Keith, Millard	Mo.
Kaufman, Dorothy Willard	Pa.	Kekich, John	Ohio.
College Clarico Pa	8	B.Ch.E. 1943, Ohio State Universit	y
B.S. in Ed. 1938, State Teacher College, Clarion, Pa. Kaufman, Lillie	Va.	Kell Flore Andrew L	
Kaulmann, Herman Joseph	Va.	B.Ch.E. 1943, Ohio State Universit LL.B. 1949, Georgetown University Kell, Elmer Andrew, fr. A.B. 1929, Yale University A.M. 1940, University of Southern California	Calif.
Kause, Charlotte Ann	D.C.	A.M. 1040. University of Southern	
Kautz, Robert Myers	Md.	California	
Kayanagh, James Francis	D.C.	Kellam, Donald Swift, Jr.	Va.
Kavanagh, James Francis Kavanagh, Ruth Jean Kavruck, Samuel	D.C.	Kellams, Marian Augusta	Md.
B.S. 1017. M.S. 1010 College of al	D.C.	Kaller Aprillo M.	D.C.
B.S. 1937, M.S. 1939, College of the City of New York	DE .	Keller, Arvilla M. Keller, Dorothy Dippold	Pa
	Va.	Keller, Elizabeth Reed	Pa.
Kay, Joseph George Kay, Marvin Leonard	D.C.	A.B. 1938, Bennington College	Tex.
Kay, Marvin Leonard	D.C.	A.B. 1938, Bennington College A.M. 1942, Radcliffe College	
	Pa.	Keller, Glenna Isabella	Ohio
Kaye, Robert Adolph Kaye, Ruth A.B. 1947, Maryville College Kayhoe, Donald Ellaworth	N.D.	Keller, John Christian Keller, Louis Vincent	La.
A.B. 1047 Marvville College	D.C.	Keller, Morton	D.C.
Kayhoe, Donald Ellaworth	Md.	BCh F 1046 College of the City	N.Y.
The Lyde I be Chebite washington	1	B.Ch.E. 1946, College of the City of New York	
Iniversity		Keller, Phillips Brooks	Tex.
Kayser, Florence Kathleen	S.D.	A B. 1947, University of Texas Keller, Raymond Aloysius	
Kashan William	D.C.	Keller, Raymond Aloysius	N.Y.
Kayser, Florence Kathleen Kayson, David Keahey, William Keakin, Helen M.	D.C.	Neller, Kuth Miller	N.Y. DC NY.
Kean, John Harner	Va. D.C.	Keller William Charles	NY.
A.B. 1943. A.M. 1947. The George	D.C.	Keller, Stewart Theodore Keller, William Charles Keller, William Gillen	l'a.
Kean, John Harper A.B. 1943, A.M. 1947, The George Washington University Kean, Ruth Gray		Neilerman, Charles Joseph	Va. Ohio
Kean, Ruth Gray	D.C.	Kelley, Charles William Kelley, Eva Frances Kelley, Frank William	DC
Kearney, John Hayward Kearney, William Robert Kearne, Dorothy Lillian Kearns, Lyman Coolidge Kearns, Thomas Francis A.B. 1930, B.S. 1940, Columbia	D.C.	Kelley, Eva Frances	DC.
Karra Dozasha Lillian	N.J.	Kelley, Frank William	Witch
Kearna, Lyman Coolidge	Mass. Vt.	Kelley James John	3.4.2
Kearns, Thomas Francis	Va.	Kelley, George Ridgely Kelley, James John Kelley, James Ozier Kelley, Wallace Ralph A.B. 1948, American University Kellison, John Ray	D.C. D.C. D.C.
A.B. 1939, B.S. 1940, Columbia	va.	Kelley, Wallace Ralph	D.C.
		A.B. 1948, American University	D.C.
Kearney, Edmonia Catherine	D.C.		Va.
Keat, James Edmund	III.	B.S. 1941, University of Richmond	
Keating, William Joseph B.S. 1940, United States Naval	Md.	retitual, Signey	Pa.
Academy States Navai		Kellogg, Celina Robbins Kells, Robert Durwood	DC.
Keder, Anthony Bernard	Pa.	Kelly, Catherine Ruston	Md.
Kee, Richard Moy	D.C.	Kelly, Catherine Burton A B 1939. Smith College	Md.
Keech, Herbert Lester	Md.	rectify Cutterine Maile	D.C.
B.S. 1933, Juniata College Keefe, Frances Sarah		Kelly, Clyde Eugene	D.C.
Keefe, Frances Sarah	W.Va.	Kelly, Daniel Francis	D.C. N.Y.
Keefe, Robert Francis	Mass.	Kelly, Edward Joseph	Pa.
Keefer, Julianna Fisher	Md.	B.S. 1930. Drexel Institute of	
Keeler, George Lindbergh	Pa.	Technology Kelly, Edward Thomas	***
Keen, Joe Gibson	Tenn.	Kelly, Elisabeth Claudia	III.
Keen, Owen Allen	Va.	B.S. 1941. Indiana State Teachers	Pa.
Keen, Elisabeth Ruth	N.Y.	B.S. 1941, Indiana State Teachers College, Pa.	
Keener, Barbara Childers Keeny, Spurgeon Milton, Jr.	Fla.	Nelly, Francis Bernard	N.Y.
A.B. 1944, A.M. 1946, Columbia	N.Y.	B.S. in C.E. 1927, Montana State	
University 1946, Columbia		University Kells Francis I	
Keesey, Mariorie Pennell	Md.	University Kelly, Francis Jerome Kelly, Francis Keith	D.C.
A.B. 1943. University of Pennsylvani Keesey, Truman Joseph	id.	A.B. in Govt. 1048 The Con-	D.C.
Keesey, Truman Joseph	Md.	A.B. in Govt. 1948. The George Washington University	
"" 'YJ4, INC GEORGE WAShington		Nelly, Darry Joseph	D.C.
University		Kelly, Jane Margaret	D.C.

Kelly, John Leo	Md.	Kerns, Mary Ruth	Oh
B.S. 1947. Georgetown University Kelly, Kenneth Max	17	Kerr, Audrey Furr Kerr, David Jay	OLI
Kelly, Kenneth Max	Kana.	A.B. 1947, The George Washington	
A.B. 1947, Municipal University of Wichita		University	
Kelly, Laura Julia	N.C. D.C.	Kerr, Graham Stickley	D.0 D.0 W.V
Kelly, Margaret G.	D.C.	Kerr, Horace Eskew	D.C
Kelly, Ruth Anne	Fla.	Kerr, Lucile Minton	W.V
Kelly, Samuel Gueriney B.S. 1924. United States Naval	Ohio	Kerr, Richard Haller	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Academy		A.B. 1948, West Virginia University Kerr, Roger Theodore	D.C
Kally William Dichard	Ohio	Kerr, Suzanne Gilfillan	D.C
Kelser, George Archibald, Jr. B.S. 1946, Harvard University Kem. John Worth	Md.	Kerr, Thomas Moore, Jr.	74 .
B.S. 1946, Harvard University	DC	A.B. 1940, Lafayette College Kersey, Mary Lois	Fle
A.B. 1949, Princeton University	D.C.	A.B. 1926, Florida Southern College	
Kemelnor, Robert Elias	N.Y.	Kershaw, John A.	Pa
Kamer Frank Conrad	Md.	Kersbenbaum, June Bernice	D.C
Kemmerly, June Dietsch	Va.	Kerstein, Edwin H. Kerwak, Thomas John	1/2
Kemmerly, June Dietsch Kemp, Betty June Kemp, Edward William A.B. 1048. University of Iowa Kemp, John Gordon Kemp, William George	Va. Iowa	B.S. 1940, Mansfield State Teachers	
A R 1048 University of Iowa	2044	College	D.C
Kemp, John Gordon	Ga.	Kowick, Charles Michael Keshishian, John Mark Keskinen, Ero John	D.C. D.C.
Kemp, William George	Md.	Keshishian, John Mark	p.C.
Kemper, Andrew Addison	Calif. D.C.		W Va.
R. F. F. 1040 Ohio State University	D.C.	Keasel, Roy Franklin A.B. 1940, Fairmont State Teachers College, W. Va. Kessinger, Charles Daniel Kessinger, Lames Bennett	
B.E.E. 1940, Ohio State University Kenady, Harold William	111.	College, W. Va.	Į,s.
	TARKY.	Kessinger, Charles Daniel	La.
Kendall, Joshua Wilder	Va.		D.C.
Kendall, Joshua Wilder Kendrick, Elaie Lowe Kendrick, Thomas William Kenkel, John Bonaventure Kenlan, Richard James	Md. D.C.	Kessler, Richard Calvin	Pa.
Kenkel John Bonaventura	Md.	Kestner, Ivan Lee Ketner, William Harry Kettles, Harry William	Ga.
Kenkel, John Bonaventure Kenlan, Richard James	Va.	Kettles, Harry William	Va.
Kanlan Lamia Kaith	Colo.	Kevan, Robert Andrews Keyes, Thomas Edward Keys, Joseph Paul Keys, Norah Gordon	D.C.
Kennedy, Arthur Wallace Kennedy, Claire Javia	N.J. D.C.	Keyes, Thomas Edward	Va.
Kennedy, Claire Aivin	N.I.	Keys Norsh Gordon	Va.
Kennedy, James Joseph	N.J. D.C.	Keys, Zella Cox	Ohio
Kennedy, James Jarvis Kennedy, James Joseph Kennedy, Joseph Bernard, Jr. Kennedy, Joseph Bernard, Jr.	Va.	Keyser, Encil Glen	Ohio D.C. Md. Vs.
A.D. 1947, and George Washington		Keyser, George Herbert	MG.
University Kanada Manu Laretta	DC	Keyser, John Joseph Keyser, Madeline Lesvell Khan, Mohammad Karanatulla	
Kennedy, Mary Loretta Kennedy, Oliver Kennedy, Robert Joseph Ph.B. 1945, University of Wisconsin Kennelly, Joseph Geraro Kenner, Jack Linwood	D.C. D.C.	Khan, Mohammad Karanatulla	Colif.
Kennedy, Robert Joseph	D.C.	Khushigian, Angel	Colo. S.D.
Ph.B. 1945. University of Wisconsin	27.77	Kibble. Blanche Irene	S.D.
Kennelly, Joseph Geraro	N.Y. Va.	Kibler, Godfrey Lawrence A.B. 1933, A.M. 1944, The George Washington University	
LI R 1041 University of Louisville	Va.	Washington University	p.C.
LL.B. 1941. University of Louisville Kenney, John Henry Kenney, Katherine Jane B.S. 1940. University of Maryland Kent, Arthur Peter	Pa.	Kibler, Milton Andrew	D.C. D.C. Va.
Kenney, Katherine Jane	Md.	Kiczales, Adolphe Charles	Md.
B.S. 1040, University of Maryland	Va.	Kidd, Edward Stanley Kidd, Isaac Campbell	Silven
Real, Arthur Peter	Va.	B.S. 1941, United States Naval	
Kent. Arthur Peter B.S. 1941, The George Washington University			Va.
Kent, Charles James, Jr.	Va.	Kidwell, Carroll Walton Kidwell, Edgar Russell	Fla.
Kent, Charles James, Jr. Kent, Jack Howard Kent, Perrin Aloysius	Fla.	Kidwell, Edgar Russell	Va.
A.B. 1041, The George Washington University	Mo.		Lower
Loiversity		Kidwell, Stanley Slack, Jr. Kieler, Carl Joseph	D.C. Va.
Kent, Stephen Garland, Jr.	Va.	Kientz, Ernest Joseph	Vä.
Kent, Stephen Garland, Jr. Kenyon. Nathaniel Colver Kephart, Calva Keriakoe. Van Angello Keriah. Barton Kerkhof, Jerome Nicholas Kern. Jaanette Geschickter	Okla.	Kieler, Carl Joseph Kientz, Ernest Joseph Kier, William Ralph B.S. 1940, State Teachers College, Indiana, Pa.	
Kerishaa Van Angella	Va.	Indiana Pa.	D.C.
Kerish Barton	D.C.	Kiernan, Jean Camille	D.C.
Kerkhof, Jerome Nicholas	Wis	Kiernan, Jean Camille Kiernan, Robert James	N.Y.
Kern. Jeanette Geschickter A.B. 1012. The George Washington University	D.C.	Kiger, John Jacob, Jr.	24.
A.B. 1912. The George Washington		A R 1948. The George Washington	-
Keep, Temple Christine	Va.	Kiger, John Jacob, Jr. Kilburne, Richard Francis A.B. 1948. The Goorge University University Killenn	Va.
Kernan, Charles Edward	D.C.	Kilby, Katherine Killeen	D.C.
Kernan, Charles Edward Kernas, Byron LeRoy Kerns, Bobbie Freeman	MIO.	University Kilby, Katherine Killeen A.B. 1927, Trinity College Kilby, Thomas Curran	2000
Kerns, Bobbie Freeman	Va.	Kilby, Thomas Curran	

Kildea, Jack Harvey Kilduff, Malcolm MacGregor Kilduff, Timothy Joseph	Md.	King, Reta Marie	Pa.
Kilduff, Malcolm MacGregor	Va.	A.B. 1935, West Virginia Wesleyan	24.
Kilgore, Joseph Edward	Md. Nebr.	Conce	
B.S. in B.A. 1934, University of	TAGOI.	King, Romaigne Fogle	Del.
Nebraska		B.S. 1940, Mansfield State Teachers College	
Killea, William D.	N.Y.	King, Rufus Gunn I-	
A.B. 1941, University of Kentucky		A.B. 1938, Princeton University LL.B. 1943, Yale University King, Samuel Howell	D.C.
Killian, Marcella Mary	D.C.	LL.B. 1943, Yale University	
	Calif.	King, Samuel Howell	S.C.
Kilpatrick, John Taylor	Okla.		
B.S. 1945. University of Oklahoma Kim, Grace M.	Hawaii	A.M. 1947. University of New Mexic	00
Kimball Everett	D.C.	Kingsbury, James Calvin Kingsbury, James Calvin Kingsland, Daniel, Jr. B.S. in E.E. 1944. Union College Kingsley, Joseph T., Jr. B.S. 1939, United States Military Academy	D.C. N.Y.
Kimball, Orrin Belvin	N.C.	B.S. in E.E. 1044 Union C-U	N.Y.
Kimball, Everett Kimball, Orrin Belvin Kimball, Robert Elwood	Md	Kingsley, Joseph T., Is	179
B.S. 1939, Johns Hopkins Universit M.S. 1948, Massachusetts Institute of	Y.	B.S. 1939, United States Military	Fla.
M.S. 1948, Massachusetts Institute of	of		
Lechnology		Kinney, David Bowen	Va.
Kimche, Aaron Kimche, Estelle	D.C.	A.B. 1943, Alma College Kinsel, Alan Edson	
Kimmel, Golder Norton	D.C. D.C. D.C.	A.B. 1948. The George Washington	Va.
Kimmel, Golder Norton Kimmel, Vivyan Mary	D.C.		
Kinberg, Aaron William Kincaid, Franker Mariopher, Jr.	D.C.	Kinsel, James Nolan B.S. 1943, University of Maryland Kinsel, Joan Ruth	Do
Kincaid, Frank Christopher, Jr.	Ark.	B.S. 1945, University of Maryland	D.C.
	Va.	Kinsel, Joan Ruth	D.C.
A.B. 1014. The George Washington		Kinsman, Anne Moore Kinsman, Robert Gordon	Md.
University Kinderman, Eugene John	T11.	Kintsfather David Page	Md.
B.S. 1931, University of Illinois	211.	Kintsfather, David Peter Kintz, Robert Ambrose	Va.
Kine, A. C.	D.C.	Kintz, Ruth Baeley	Md.
B.S. 1948, Murray State Teachers College, Ky		Kinzer, James Brooks B.S. 1948, Pennsylvania State College Kip, Ruloff Frederick	D.C. Pa.
College, Ky		B.S. 1948, Pennsylvania State College	54.
King, Donald Kyle	D.C.	Kip, Ruloff Frederick	N.J.
A.B. 1948, The George Washington University		B.S. 1943, Princeton University Kipper, Henry Haakon	
King, Eleanor Woodward	Va.	Kipps, John William	N.Y.
A.B. 1934, A.M. 1939, The George	V 4.	Kiracofe, Arthur Hiram	Va.
Washington University		A.B. 1943. Franklin and Marshall	D.C.
King, Elizabeth Anne	D.C.	College	
King, Elvina Frances	N.Y.	A.M. 1944, Columbia University	
King, Emily Elizabeth	Pa.	NIIDY, E.GWARG Prancis Ir	Conn.
King, Emerson Fielding	Pa.	Ph.B. 1017, Providence College Kirby, Ernest Calvin	
King, Ernest Lee	D.C.	Kirby, Homer Hugh, Jr.	Va.
King, Everett Rowland King, Francis Nelson	D.C.	Kirby, James Wardlaw	D.C.
King, Gene Paul	Md. Pa.	A.B. 1945. The George Washington	SC.
B.S. 1947, University of Scranton	Fa.	CHIACIBILA	
King, Glenn Richard	Md.	Kirchner, Francis Carlyle	Md.
A.B. 1948, Gettysburg College	avau.	B.S. 1948. The George Washington University	
King, Harold	Ind.	Kindner Nancy Carel	
M.D. 1946, Yale University		Kirchner, Nancy Carol Kirchner, Theodore Edmond	Md.
King, Harold Wesley	D.C.	NIIA, Charles Gribert	Va.
King, Harriet Stonesifer	III.	A.B. 1931, University of Washington Kirk, Gerald Achilles	D.C
King, Helen Delores	D.C.	Kirk, Gerald Achilles	Va.
King, James Cecil	Pa.	Kirk, John Edwin Kirk, Michael James	Ohio
King, Janice Chase	Md.	Kirk, Michael James	Va.
A.B. 1939. Vassar College		Kirk, Robert Louis	Pa
King, John Snyder	Va.	Kirkland, Robert Carey	Va
King, John Walter, Jr,	D.C.	Kirkman, Albert Gwinn, Sc. B.S. 1927, Virginia Polytechnic	Md.
King, Joseph Frederick	D.C.	Institute	
King, Mary	D.C.	Kirkman, Caroleen	N.C.
King, Mary Elizabeth King, Mary Mazeppa	Mass. Fla.	Kirkpatrick, Allen	D.C.
King, Mildred Cole	D.C.	B.S. 1943, Massachusetts Institute of	dar a Core
B.S. 1935, Central State College	D.C.		
King, Morton Lionel	D.C.	LL.B. 1948, University of Virginia	
King, Naihan Russel	W.Va.	Kirkpatrick, Bernard Joseph Kirkpatrick, Charles Albert	Md.
King, Pericles	Okla.	Kirkpatrick, Virginia Lorene	Md.
King, Phillip Miskell	Md.	Kirkpatrick-Hount, Lorraine F.	Fla.
King, Quentin Scott	D.C.	Kirlin, Mary Elizabeth	Md, D.C.
			D.C.

Kirsch, Martin Joseph	D.C.	Klopp, Raymond Arthur	D.C.
Kirshbaum, Amiel	D.C.	Klostermann, Wolfgang Ekart	D.C.
B.S. 1937. University of Maryland		Klovdahl, Gordon Jacob	Ind. Wis.
Kirshner, Joseph Martin	Del.	Klukowski, Stanley Zenon	
B.S. 1946. University of Delaware		A.B. 1948, University of Wisconsin Knapp, Mary Ann	011
Kirstein, Sidney Leonard	D.C.	Knapp, Mary Ann	Ohio
Kisacky, Mary	D.C.	Knapp, Moreland Sinclair	7 00
Kishbaugh, Margaret Raye Avis	D.C.	Knapp, Norman	W.Va.
Kiser, Tharon Marie	Ky.	A.B. 1939, Morris Harvey College	Ohio
A.B. 1948, The George Washington		Knapp, Robert Duane, Jr.	Citio
University	-	A.B. 1948, The George Washington	
Kistler, Wallace Grover, Jr.	D.C.	University	N.Y.
Kitagawa, Arthur Saburo	Calif.	Knettles, Mary Evangeline	Mere
Kitchen, Jeffrey Coleman	D.C.	A.B. 1919, College of St., Teresa	D.C.
B.S. 1941. University of Oregon		Knight, Charles Clyde	Va.
Kitsoulis, Michael Thomas	D.C.	Knight, Merrill Donnaldson	Md.
Kittle, John Lewis Kitts, Willard Frederick	Mins.	Knight, Robert Whitney	N.Y.
Kitts, Willard Frederick	Mass.	Knoll, Marianne	Mes.
A.B. 1942, Amherst College		A.B. 1946, M.S. 1947, New York	
Klaasse, Robert Allen	D.C.	University	NY.
Klafter, Leonard	N.J.	Knoph, Herman Joseph	N.Y.
Klajbor, Dorothea M.	N.Y.	Knopp, Arthur Maxwell	Va.
Klapp, Glorya Marie	D.C.	Knott, Barbara Elizabeth	Ga.
Klipper, Howard Jerome	N.Y. N.Y.	Knott, Leonard Carl	Va. Ga. D.C.
Klassner, Benjamin	N.Y.	Knott, Lucille	Mass.
Klavan, Hillard	D.C.	Knowles, Edward William	Mass.
B.S. 1947, Johns Hopkins University	201	Knox, George William	D.C
Klavan, Stanley	Md.	Knox, Letitia Moore	
Kleber, Francis T	III.	B.S. 1943, Wilson Teachers College Knoz, Robert Armiston, Jr	D.C.
B.S. in E.E. 1944, United States		Knox, Kobert Armiston, Jr	
Navai Academy	N. 62 a.h.	A.B. 1947, The George Washington	
Klein, Frederick Nelson, Jr.	Mich.	University	1,0.
Klein, George Ralph	D.C. D.C.	Knoz, William Christie	
Klein, Joseph Sigmund Klein, Karol Dee	Ohla.	B.S. 1943, M.D. 1947, Louisiana State University	-
Klein, Karoi Dee	Okla.	State University	Pa-
Klein, Kenneth Eugene	VI.	Koach, Joseph Lewis	Md.
Klein, Leonard Adam	Va. N.Y. N.Y.	Koback, John Merriam	D.C. N.Y.
Klein, Milton	D.C.	Kober, Ann	N. 2.
Klein, Percy Franklyn, Jr. A.B. 1918, Park College	D.C.	Koberg, Allison James Koch, H., Jr.	D.C.
White Pobert M.	Ohio	A.B. 1921, Howard University	20
Klein, Robert M Klein, William Joseph	D.C.	Koch, Norman Leo	D.C.
Kleinfelder, James Jesse	Va.	Kocharian, Edward Moses	Ill.
Klainman Alfred	Md.	Kache Baher Charles	nC
Kleinman, Alfred Klepak, Philip Harold	Va.	Koche, Robert Charles Koen, Frank Lenie, Jr. Koenig, Joseph William, Jr. Koenig, Mary Beth Koenig, William Edward	D.C.
Kley, Frank Carl, Jr	Calif.	Koenie Joseph William Jr.	Va.
B.S. 1948, The George Washington	Carri	Koenie Mary Reth	D.C.
University		Koenie William Edward	Minn.
Klieforth, Leslie Andrew	Wis.	Koenigsberger, Charles	D.C.
A.B. 1948, University of Minnesota	** ***	Koepke, Milton Elwood	D.C.
Klickel, George John	D.C.	Koester, Richard Eugene	Minn. D.C. D.C. D.C.
Klieger Jean Louise	Va.	Kohl, Francis	Wis.
Klieger, Jean Louise Klieger, Walter Aaron	N.J.	Kohl, Leonard Louis	D.C.
A.B. 1048. The George Washington		Kohloss Frederick Henry	
University		B.S. in M.E. 1943. University of	
Elika, Raymond Riggs	D.C.	Maryland	Mass.
Kline Elizabeth Anne	Md.	Kojovian, Aredis Vahan	N.H.
Kline, Frederick Elmer, Jr.	Va.		
MI - Harold Edward	D.C.	B.S. 1044. Worcester Polytechnic	
R' ne. Ira	N.I.	Institute	N.Y. D.C. D.C.
B 5, 1948, American University		Kolano Ernest Theophil	D.C.
R S. 1948, American University	D.C.	Kolar, Edith	D.C.
Kline, Ralph Henry	Pa.	Kolar, Vera	W 85+
K'ingenhagen, Declan Fred	D.C.	Kolar, Edith Kolar, Vera Kolb, Denis Frederick	Mich.
Rlipple, Mary Jane	Colo.		N.Y.
A.B. 1946, The George Washington		Kolb, Raymond Charles	Md.
University		Kolb Robert Warren	
Klitzman, Maurice H	Ohio	Kolb Robert Warren BS 1941 University of Maryland Kolbjornsen, Iohn Morbeck Harvard University	NY.
B.S in M.F. 1948 Produce University	Y	Kolbiornsen, John Morbeck	01.0
Kloman, Erasmus Helm. Is	Md.	7 E2 1174 1181 4 B1C	Ohio
Kloman, Erasmus Helm, Je A.B. 1043, Princeton University A.M. 1047, Harvard University	100000	Kolkedy, Joseph George	D.C. D.C.
A.M. 1947. Harvard University		Kolker, Beverly	1).6.
Klonowski, Bernard Peter	N.Y.	Kolker, Irvin	

Kollmeyer, Herman Richard	3.	W	
Kollmeyer, Paul Carroll	Va. Va.	Kowan, Ethel Jean	D.C. D.C. N.H.
Kolodny, Joseph George	Mass.	Kowshik, Kalindi Dinkar Koyiades, Ruth Alice	D.C.
A.B. 1935, Harvard University		Kozel, Alexander	N.H.
Kolovich, Leposava	DC.	Koziski, William	D.C.
Kolovich, Lilaua	DC.	Kozlowski, Joseph John	Pa.
Koltovsky, Lillian Ruth Komai, Dan	D.C. N.Y. D.C.	Mant, Frank Joseph	Va.
A.B. 1938, University of California	D.C.	Kraft, Lester	Md.
at Los Angeles		A.B. 1948, University of Maryland Krake, David William	0
Komito, Milton Feldman	Ohio	Krakow, Morton Joseph	Oreg.
Komito, Renee Freiberger	Ohio	Krakow, Morton Joseph Kraller, John Edward	Kw.
Kon, Irena	D.C.	Kramer, Albert Charles	Va. Ky. D.C.
Konhauzer, Jerome Koniszewski, John Edward	D. C.	Kramer, Dorothy	Fla.
Koo, Benjamin Yee Chieh	DC. N.Y. DC. DC.	R F F 1010 Ohio Contact II	Ohio
Koogle, George Grayson, Jr.	Va.	Kramer, Albert Charles Kramer, Dorothy Kramer, Jerome Frank B.E.E. 1943. Ohio State University Kramer, Joshua Kramer, Marvin Lewis	NIV
Kooiman, William	Minn.	Kramer, Marvin Lewis	N.Y. Va.
Koons, David Anthony	Pa.		N.Y.
Koons, Richard Moorcroft	D.C.	B.S. 1948, The Citadel Krasauskas, John William	
Ph.B. 1930, Muhlenberg College Konna Robert Asson, Is	Pa.	Krasauskas, John William	D.C.
Koons, Robert Asron, Jr. Koons, Walter Benjamin	Pa.	B.S. 1933, M.S. 1934. University of Maryland	
Kopacko, Lorraine Mae	Ohio	Krasley, Paul Albert	Pa.
Kopek, John Longin Kopek, Pauline Elizabeth	N.Y.	Krasny, John Friedrich B.S. 1948. University of Detroit	D.C.
Kopek, Pauline Elizabeth	Va. D.C. D.C.	B.S. 1948. University of Detroit	
Kopfman, Thomas Vincent Koplin, Allen Atlas	DC.	Kraus, Harriet Hill	Md.
Koplovitz Rose	Pa.	Krauss, Ellin Ruth	Md.
Kopp, Paul Joseph A.B. 1932. Lehigh University A.M. 1933, Duke University	Va.	Kravetz, Herman Kravetz, Rhoda	Md.
A.B. 1932, Lehigh University		Kravitz, Rose Marie	D.C.
A.M. 1933, Duke University	50	Krebs, Henry Charles	D.C.
A R 1040 Brooklyn College	DC.	Kreek, Louis Francis	D.C.
Kopp, Robert A.B. 1940, Brooklyn College Koppelman, Irvin Jerome	Va.	B.S. 1048. Massachusetta Institute of	
Koren, Gerd Elise	Norway	Technology	
Korenblatt, Martin A.	Norway NY. DC. NY. NY. DC. DC. Hawaii NY. NY.	Kreftina, James Emmett Krehbiel, Mary Lou A.B. 1946, The George Washington	Minn.
Korn, Frances Korn, Norman	D.C.	A.B. 1946. The George Washington	Ohio
Korn, Seymour,	7. F.	University	
Kornblatt, Julius	1.1.	Kreimann, Walter William	S.D.
Kornfeld, John Seiferth	DC.	A.B. 1946, Dakota Wesleyan Universit	ty
Kornhauser, Alvin	D.C.	Kreiner, Howard William	D.C.
Korol, Alexander Gregory Korostoff, Bernard	Hawaii	B.S. 1944. University of Pennsylvania Krentzlin, Julie Anita	-
Kort, Reuben	N. V.	Kressfield, Florence	D.C.
Korte, Ernest Joseph	Va.	A.B. 1948. The George Washington	N.Y.
Kortman, Cecil M.	a ca.	University	
Koski, Leo Gregory	W15.	Kressley, Clement	Md.
Kosmerl, Alice Frances	Ohio	Krey, Isabella Brown	D.C.
AM 1048 Ohio State University		A.B. 1924, A.M. 1934, The George Washington University	
Koster, Teresa Mary	D.C.	Krichmar, Robert Lawrence	7.7
A.B. 1947, Seton Hill College A.M. 1948, Ohio State University Koster, Teresa Mary Kostik, Peter James Kostka, Fred Paul	Ohio	A.B. 1941. Boston University	Va.
Kostka, Fred Paul	Va	A.B. 1943, Boston University Krieger, Bertha C.	D.C.
D.S. ID M.E. 1942, Khode Island		Krieger, Henry Norbert	III.
State College Kousaros, Harry George	Pa.	A.B. 1948, Stanford University	A 61.
Koustenis, Harry George	Ohio	Krieps, Lola Dolores	D.C.
Koustenis, James	D.C.	Krikorian, Garo	N.J.
Koutoulakos, Louis	Va.	Kriner, George Marion	D.C.
Koutsandreas, Peter Dionysius	D.C.	Krist, Fred George	N.Y.
B.C.E. 1948, The George Washington	1	Kritt, Barbara Tanya	D.C.
University Kouteevilee Alexander	NIN	Krivoy, William Aaron B.S. 1948, Georgetown University	D.C.
Koutsavles, Alexander Kouzel, Howard	N.Y. D.C.	Krogloss, Oswald Karl	Mina.
Kouzes, Tom	Va.	B.S. 1935. University of Minnesota	WHILE.
Kouzes, Tom Koval, John Joseph	DC.	Kromer, Charles Dalton	D.C.
Kovaleski, Jeanne J.	D.C.	Kroner, Lawrence Roy	III.
Kover, Allan N	N.Y.	Kronfeld, Gerald Wolfe	Del.
New York		Kronig, Harry Donald B.S. 1947, Temple University	Pa.
B.S. 1943, College of the City of New York Kowalski, Fred Herman	Conn.	Kronstadt, Nathan	22.20
	Conn.	teronoteut, Italijan	N.Y.

10.01			D.C.
Krubel, Frederick John	III.	Kurz, Philip Elledge	
B.S. in M.E. 1943, University of		B.S. 1942, University of Maryland	Ma.
Illinois		Kyllonen, Allen William	D.C. N.H.
Krucelyak, Margaret E.	Pa.	Kyne, Peter John	D.C.
Krucoff, Darwin	D.C.	Kyragakis, Helen Kyrazis, Chris William Kyrazis, Peter William	Md
Krueger, Arthur Frank	D.C.	Kyriazia, Chris William	Mary .
B.S. 1947. University of Chicago		Kyranis, Peter William	Md.
Krueger, John Richard	D.C.	Kyttle Stuart Frederick	Md.
A.B. 1948, The George Washington		A.B 1948, The George Washington	
A.D. 1946, The George Washington		University	. 42
University	DC	Kusch, William Frederick, Jr.)4d.
Kruger, George	D.C.	Kushman Hallin Kont	Md.
Krupotich, Edward	D.C.	Kushman, Hollis Kent Kushman, Howard Bert	Ohio
B.S. 1944, University of Colorado Krupovich, Helen Marie	11/2	Kushman, Floward Bert	Hawaii
Krupovich, Fielen Marie	D.C. D.C.	Kusumoto, Earl Hisushi Kutschko, Emerick, Jr.	D.C.
Krussell, Elden Werner	DC.	Kutschko, Emerick, Jr.	D.C.
Krutter, Eva	Mass.	Katz, Judith	Burns
Kuchler, Ralph Rudolph	Utah	Kyaw, Aung Myat	-
A.B. 1048. The George Washington		A B 1046, Rangoon University Kyger, Howard Le	Va.
University		Kyger, Howard Lee	D.C.
Kucirek, Ernest Frank	Nebr.	Kyle, Hugh Campbell, Jr.	
Kudatsky, Nathan	N.Y.		
K. Jer, Gordon Fred	N.Y. N.D.	L	
Kadlak, Genevieve	Much.		Okla
K. Ivsh. Morton	N.Y.	LaBarr, Robert Victor	D.C.
Kuzel. Kenneth	N.Y. D.C.	Labissoniere, George Robert LL.B. 1948, The George Washington	
A R 1042 Reed College		II B 1048 The George Washington	
A.B. 1947, Reed College A.M. 1948, University of Michigan		Injugation	D.C.
M.M. 1946, Oniversity of which dan	N.Y.	Laborah Paulina Lillian	Mich.
Kurelmass, Solomon	ND.	LaBulla Victor	Die ben
Kuhfeld, Olive Leone	Iowa	A P Warne University	Ps.
Kuhl, Earl Henry	DC.	L.b. 1947, Wayne Ontrod	Tes.
Kuhn, Mark Joseph	Mich.	Labowitz, Shirley Pauling	Nebr.
Rukoski, Leonard R.	WHICH.	Labonsh, Paulina Lillian LaBolle, Victor A.B. 1947, Wayne University Labowitz, Shirley Pauline Labuzan, Dorothy Marie	Tenn.
A.B. 1947. The George Washington			1 entr
University	2.6.1	Lacey, Kenneth King	D.C.
Kulda, Edward Joseph	Md.	Lacey, Maurice Winters	- V
Kuldell, Clarence Elliott	D.C.	Lacey, Kenneth King Lacey, Maurice Winters Lacey, Patricia Mae	N.Y.
Kuldell, Clarence Elliott Kulish, Matthew William	Pa.	B.S. 1947. University of Pennsylvani Lachman, Jerome Edwin	2
Kulla, Lincoln Acker	NY. DC.	B.S. 1947, University of Pennsy	Md.
Kulla, Lincoln Acker	DC.	Lachman, Jerome Edwin	- 43
Kulp, John Wesley Kulp, Russell Nyce, Sr.	17 (.		Md-
Kulp, Russell Nyce, Sr.	Md.	Lachman, Lenora Greta	N.C.
	Md.	Lackey, Edith Virginia	ers
Kumagai, Rikio	Md.	B.S. 1937, Appalachian State Teach	250
B.S. 1048, University of Michigan Kump, Mary Gamble			Va.
Kump Mary Gamble	W Va.	Lackey, Joseph Henry Lackey, Mary Dexter	Pa
Kune, Bernard Jack	DC	Lackey, Mary Dexter	D.C.
Kuniansky Adele	D.C.	Lacombe, Charles H.	D.C.
Kuniansky, Adele A.B. in Ed. 1936, University of		Lacombe, Charles H. Lacovara, Nicholas John	D.C.
Canada Canada			Tenn.
Georgia Vussal Cambon William	Pa.	Laco Macagest Graham	10
Kunsak, Stephan William A.B. 1943. The George Washington		Lacy, Margaret Graham A.B. 1017, Randolph-Macon Woman	
Liniussite		Callano	
University Kunz, George Theodore	Cuba	A M soco Vanderbilt University	Kans.
Kunz, George i neodore	RI.	College A.M. 1929. Vanderbilt University Lacy, William Merrill Ladd, John Morris Ladd Mary Lee	D.C.
Kunz, Karl Michael	20 4.	Lacy. William reteres	Tad-
Ph.B. 1941, Providence College		Ladd, John Morris	D.C.
LL.B. 1947, Georgetown University Kuokka, Hubard Dan	991 .1		D.C.
Kuokka, Hubard Dan	Wash	Ladeira, Luiz Gonzaga	D.C.
A.B. 1010. University of Oregon Kuper, Frederick Ryland	9.		D.C.
Kuper, Frederick Ryland	Va	I . links Remice Edville	Va.
Kupiel, Chester Francis	Va.	Ladue, Dorothy Eunice	Va.
Kupka, Anthony	Md.	Ladue, Edith M.	3.0-
B.S. 1030, Ithaca College Kupperman, Morton		Ladue, Edith M. Lafaye, Wilbur Paul B.S.E. 1943. University of Michigan Lafferty, Frank Hirona Laffer, Cyril Joseph Laffin, Edward John Laffin, Mark William	- 4
Kupperman, Morton	N.Y.	R S F 1042. University of Michael	Del.
B.S. 1918, College of the City of		1 - Cont Hirons	Md.
New York	-	Lanerty, Flank Insech	Calif.
	Md.	Laney, Cyrii Jusepa	D.C.
Kurek, Iean Wanda	D.C.	Lamn, Edward John	Va.
LL.B. 1941, Mount Union College		Laffin, Mark William	Minn.
Kurech Robert Francis	DC.		N.Y.
Kurek, Jean Wanda LL.B. 1041. Mount Union College Kursch, Robert Francis Kurth. William Herman A.B. 1941. University of Virginia Kurtz. Doris Maxine	DC		200
AR 1041 University of Viceinia			D.C.
Kurty Dozia Marina	Va.		
Kurtz, Stanley Morton	D.C.	A.B. 1943, Smith College	
The state of the s			

Lagomarcino, Paul Donald	111.	Landen, Richard Magnus	NV
LL.B. 1948, University of Iowa		Lunders Elmer Albert	N.Y.
Lagrone, Columbus Lee	Md.	Landis, Glen Austin	Va
LaGuardia, Alfred Attilio	D.C.	Landis, Joseph Winey	D.C.
Lallatte, James Albert, Jr.	Md.	trainers, Patricia Louise	D.C.
B.S. in E.E. 1943, Georgia School		Landis, l'eter Andrew, Jr.	D.C. N.Y.
of Technology	DO	Lands, Samuel Edgar Lands, Theodore Franklin	Pa.
LaHayne, Robert Edward	D.C.	Lambis, Theodore Franklin	W.Va.
Lahmar, Audrey Norma	III.	Landorf, Flord Robert	N.Y.
A.B. 1948, Sweet Briar College Lahti, Carl Robert	Mich.	Landreth, Clinton Laster Landwedel, Erna Elfrieda	S.D.
Laine, Hugh Carter	Va.	A B. 1930, State University of Iowa	D.C.
Laine, Roland Oscar	Va.	Landsman, Helen Ruth	Fla.
Lainof, Milton	N.J.	Landsman, Louis	N.Y.
Lainof, Robert Ivan	Va.	Landsman, Robert Samuel	Va.
B.S. 1939, North Carolina State Co		Lane, Archibald	D.C.
Lair, Harold Patrick	Md.	Lane, Carl K.	D.C.
Lajoie, Aldore Simon	D.C.	Lane, Dalton Creed	Tenn.
A.B. 1948, University of Maine		A.B. 1947, Berea College Lane. Elizabeth Walker	
LaLande, Allen Lee	Tex.	Lane, Elizabeth Walker	D.C.
Lallas, Charles Peter	D.C.	Lane. Francis Edward	D.C.
Lally, Paul Thomas	Va.	Lane, John Goethe, Jr.	Fla.
Lalor, David Paul Lalos, Virginia Beula	Va. D.C.	Lane, John McAllister B.C.E. 1947, The George Washington	D.C.
Lalos, Virginia Deuta	N.Y.	University	1
LaMacchia.Frank R. A.B. 1945, The George Washington	24.1.	Lane, Mark Harold	Maine
University		A D . a. S University of Mains	
Lamar, Harold Thomas.	TH.	Lane, Munson Harmon, Jr.	Va.
Lamar, Mary Beth	D.C.	Lane, Munson Harmon, Jr. B.S. 1948, Emory and Henry College Lane, Rosemary Jeannette	e
B.S. 1940, University of Nevada		Lane, Rosemary Jeannette	Va.
LaMaster Virginia Ann	D.C.		1/2
Lamb, Alice Ailleen	N.D.	Laner, Frances J.	Colo.
Lamb, Alice Ailleen Lamb, Ralph Lamb, Rodney John Lambert, Dean Warren	III.	Laner, Frances J. Laner, Arthur R., Jr. A.B. 1947, The George Washington	D.C.
Lamb, Rodney John	Calif.	A.B. 1947, The George Washington	
Lambert, Dean Warren	Ky.	University	Utah
A.B. 1948, Berea College	D.C.	Laney, Culbert B.S. 1941, Utah State Agricultural	Otan
Lambert, Francis Lincoln Lambert, Margaret Forfar	III.	College	
Ph.B. 1943, Northwestern University		Lang, Edward Alexander	Fla.
Lambert, Margaret Lucille	V 2.	B.S. in B.A. 1943. University of	
Lambert, Peter Baldwin	DC.	Planda	
Lambert, Robert Lyman	DC. DC. DC.	Lang, Eleanor	D.C.
Lambert, Kobert Warner	DC.	A.B. 1927, University of Illinois	_
A.B. 1942, DePauw University		Lang, Elinor	Pa.
Lambert, Ruth Garner	Va.	B.S. 1948. New York University	0.0
Lamberton, Alfred James	N.H.	Lang, John Carl	S.D.
A.B. 1052, University of New		A.B. 1936, State Teachers College, Valley City, N. D.	
Hampshire Lambrecht, Peter Donald	Va.	Lang, John Christian	III.
A.B. 1915. University of Wisconsin	v a.	Langdon, Russell Austin	Md.
Lambros, Philip Russell	Fla.	Lange, Ruth Eleanor	Va.
A.B. 1948, The George Washington		Langerman, Elaine Mildred	D.C.
University		Langhead, Mary Dawson	D.C.
Lamkin, James Cecil, Jr.	Miss,	A.B. 1947. Southwestern University	
B.S. 1948. The George Washington		Langholz, Ernest Frederick	Tex.
University		A.B. 1948, The George Washington	
LaMolte, Peter	D.C.	University	
Lamphiear, Donald E. Lancaster, Betty Maxine	Md	Langley, Harold David Lango, Alphonse James	N.Y
Lancaster, Betty Maxine	D.C.	Lango, Alphonse James	Mass.
B.S. 1948, University of Maryland Lancaster, Blake Paul	-	Langr. George Edward A.B. 1048. Union College	N.Y
Lancaster, Blake Paul	Fla.	A.B. 1948, Union College	27.75
Lancaster, Georgina Carmen	D.C.	Lanesam, Edwin	N.Y.
A.B. 1948, The George Washington		Lanier, William Forrest Lanosz, Michael	Va. Pa.
University	Miss.	Landale Mary Louise	D.C.
Lancaster, R. Kent B.S. 1948, Mississippi State College	WH122.	Lansdale, Mary Louise Lansing, Edward Watson	Mo.
Lancaster, Robert E., Jr.	D.C.	Lantz Andrew Lawrence Te	D.C.
Lancaster, Valarie Ann	Md.	Lantz, Andrew Lawrence, Jr. A.B. 1948, The George Washington	D.C.
A.B. 1047. Trinity College	. AFECT.	University	
Lanckton, Myrtle Ann	D.C.	Lapanas, Panatiotis	D.C.
Landau, Morton	Va.	LaPerche, Jacques Benonie	R.I.
A.B. 1947. The George Washington		Lapham, George Sealy	Ga.
University		Lapin, Earl Michel	N.Y.

Lapp, Hazel Williams	Md.	Lavine, Irvin Arthur	Vs.
B.S. 1914, Ohio State University M.S. 1940, University of Chicago Lappin, John Eldridge Lappin, Robinson		A.B. 1947, Catholic University of	
M.S. 1940, University of Chicago		America	
Lappin, John Eldridge	D.C.	Lavoie, Normand Paul	Maine
Lappin, Robinson	D.C.	Law, Arthur Gregory	D.C. Md.
Laprade, Gertrude Cecelia Larison, Oliver Kunter	D.C.	Law, Charles Christian, Jr.	D.C.
AB is Ed toto The George	D.C.	Law, Frank Gordon	
A.B. in Ed. 1939, The George Washington University		B.S. 1936, M.S. 1943, United Stat	(60
Larkin, Alfred Joseph	Va.	Naval Academy Lawless, William Josselyn, Jr. Lawlor, Henry William	Vz.
Larkin, Alfred Joseph B.S. 1927, Colgate University		Lawlor, Henry William	D.C.
Larkin, Maureen Larkin, Thomas Dillard	D.C.	Lawlor, Patricia Mary	Wash.
Larkin, Thomas Dillard	D.C.	Lawrence, Charles Wyman	D.C.
LaRocca, Marie Barbara	Va.	Lawrence, Frank Edward	D.C. Md.
Larrick, Benjamin Franklin Larsen, Morris Alven	Va.	Lawrence, John Creig	Man.
Larsen, Morris Alven	Iowa	B.S. 1939, United States Naval	
Larson, Clair Merlin	Minn.	Academy	Va.
A.B. 1948, Luther College Larson, Donald Eugene	Minn.	Lawrence, Lester Albright Lawrence, Malcolm	D.C.
Larson, Milton Arvid	Utah		
Larson, Robert Edwin	N.Y.	A.B. 1948, The George Washington University	
Larson, Milton Arvid Larson, Robert Edwin Larson, Verne Lyle	N.D.	Lawrence, Norman	D.C.
A.B. 1940, The George Washington		B.S. 1010. College of the City of	
Diversity		New York	D.C.
Larue, Robert Emmett Lasche, Ernest Patricio B.S. 1939, United States Military	D.C.	Lawrence, Robert Clinton	Obio
Lasche, Ernest Patricio	Va.	Lawrence, Roger Lee	0
Academy Academy		B.S. 1943. Ohio State University	Nebr.
Latche Georgie Relevall	Fla.	B.S. 1943. Ohio State University Lawrence, Willis Dale Lawrentz, Rene	Ohio
Lasche, Georgia Baltzell Lasco, John Lash, Robert Frederick	Pa.	Lawrence, Rene	D.C.
Lash, Robert Frederick	III.	Lawrey, George Alan Lawrie, Dorothy Jean	D.C.
Lasher, Clinton	N.Y.		
I sahar Jou Donald	Pa.	A.B. 1017, Louisiana State Univers	Md.
Laskley, Glenn Thomas Laskey, Henry A, Lasky, Raymond Lassa, Leonard Lawrence	Okla.	A.B. 1937, Louisiana State Univers Lawrie, Ruth Myrtle	Idaho
Laskey, Henry A.	D.C.	Laws, Jack O'Brien	Va-
Lasky, Raymond	D.C.	Lawson, Adrian Lee	N.Y.
Lassa, Leonard Lawrence	Md.	Lawson, Alice Joyce	N.Y.
Laster, Carl Abram	Ark.	Lawson, Howard Birger	Va.
B.S. 1935, United States Naval Academy		Lawson, Jan Lloyd	Va.
Lastfogel, Vera Lee	D.C.	Lawson, John Irvin Lay, Kenneth Swift	Mo. N.Y.
Latarewicz, Charles Frank	D.C.	Lawber Marald Franklin	14.1.
Lathram, Leslie Wade	Va.	A.B. 1948, The George Washington	
A.B. 1937. Miami University	, ,	University	Va.
A.M. 1939. University of Cincinnati		Layne, Ennis Cecil, Jr.	D.C.
Lathrop, Clifford Raymond	Va.	Layne, Jack Martin	D.C.
A.B. 1938, Western Maryland College		Layne, Jack Martin Layne, Virginia Ellen	Va-
Lathrop, Richard Poyneer	Va.	Layos, Barbara Gove	Vs.
Latino, Jennie Mary	Mass.	Layos, Joseph Kenneth	Pa.
LaTorre, Richard Robert	N.Y.	Layton, Cleo Franklin Layton, Walter Adonis	Kans.
Latt, Benjamin	R.I.	Lazas, Donald Joseph	D.C.
A.B. 1948, Brown University Latta, Burr	Va.	Lazas, Donaid Joseph	Witne.
Latta, James Clay, Jr.	D.C	Leach, Daniel Joshua B.S. 1938, University of Minnesota	
Laubgross, Marvin	N.Y.	M.S. 1946, Yale University	D.C.
Laubinger, Frank Herbert	Md.	Leader, George Robert Coll	
Laubscher, Lawrence Erwin	D.C.	A.B. 1011. Pennsylvania State Con	p.C.
Lauder, Robert Bruce, Ir.	N.Y.	Leahy, William Crahan	
Laughlin, James Roberts	D.C.	Leader, George Robert A.B. 1931, Pennsylvania State Coll Leahy, William Crahan A.B. 1944, University of Pennsylvania	- 0
Laughin, John Gregory, Jr.	D.C.		DC
Laughmiller, Roy William, Jr.	Md.	Leaptrot, Betty Jane	D.C.
A.B. 1947, Maryville College	90	Leaptrot, Betty Jane Lear, James Richard Lear, Jeanne Eleanor	D.C.
Lauriteen, Carl Richard	Pa.	A.B. 1947. American University Lear, Joyce Elizabeth	D.C.
A.B. 1010 I.I.B. 1041 Hainstein of	Oreg.	Lass Iones Flinsbeth	Ark.
A.B. 1939, LL.B. 1941, University of		Leary, James Edward	
Lauter, Florence Schott	D.C.	Leary, James Edward A.B. 1948. Duke University Leary, Jay Phelps B.M.E. 1944. Brooklyn Polytechnic Institute	N.Y.
B.S. 1017. Northwestern University		Leary, Jay Phelps	
M.S. 1934, University of Chicago Lauter, John William		B.M.E. 1944, Brooklyn Polytechan-	
Lauter, John William	Va.		Mass.
Lavagnino, Geraldine Sinclare	D.C.	Leary, John Patrick Leary, Norma Elenna	D.C.
Lavin, Arthur George	Va	Leary, Norma Elenna	N.Y.
Lavine, Bess Blafkin	Va.	Leary, Robert George	

Leatherwood, Howard Garrett	Va.	Lefevre, Jean Elting	
Leatherwood, James H.	Ohio		D.C.
Leavitt, Raymond Boomer	D.C.	A.B. 1947. The George Washington University Leffingwell, Thomas Cullen Lefkowitz, Saul	
B.S. 1923, United States Naval		Leffingwell Thomas Cullen	
Academy		Lefkowitz, Saul	Pa.
Leavy, Horace James Leber, Walter Philip	N.Y.	B.S. 1949. College of the City of	N.Y.
Leber, Walter Philip	Mo.	B.S. 1940, College of the City of New York	
B.S. 1940, Missouri School of Mine	es	LeGagnoux, Yves Andre	Va.
Lebeson, Shirley Evelyn	III.	Legaliaia, Frances Vwonne	
Ph.B. 1945, University of Chicago		Legett, James Cecil Legett, Mary Henley B.S. 1943, University of Maryland Legum Howard Landon	Md.
LeBlanc, Diana	Ohio	Legett, Mary Henley	Va.
LeBlanc, Joseph Lenol	D.C.	B.S. 1943. University of Maryland	D.C.
Lebovitz, Carl Harry	Va.	Legum, Howard Isadore A.B. 1943, Harvard University Lehman Dorothy Flinshop	37-
A.B. 1946. Bowdoin College		A.B. 1941. Harvard University	Va.
Lebowitz, Anne L.	Md.	Lehman, Dorothy Elizabeth	W
Lebrecht, Richard Lechner, Naida Marjorie	N.Y.	A.B. 1930, Nebraska University	Kans.
Lechner, Naida Mariorie	S.D.	Lehman, Dorothea Wilhelmine	DC
Leckband, Paul	Iowa	Lehman, Dorothea Wilhelmina Lehnert, Robert Conrad	D.C.
Leckie, Jack	Va.	Lehtonen, Harold	N.Y.
B.S. 1938, Marshall College		Lehtonen, Harold Lei, Chih Tseng	Mich.
LeClaire, Charles Homer	Mich.	B. of Law 1940, National Peking University	China
A.B. 1940, Alma College		University	
M.B.A. 1942. University of Michiga	n	Leibbrandt, Robert Clinton	9.7-
M.B.A. 1942, University of Michiga LeCroy, James Franklin	_ Va.	Leichter, Jerome Raymond	Va.
Ledford, Harry Samuel	Tenn.	Leidinger, Joan Mary	N.J. D.C.
Ledford, James Curtis	DC	Leidinger, Joan Mary Leighton, Donald McCulloch	D.C.
Ledford, James Curtis Ledford, Pearl	D.C.	A.B. 1938, University of Nevada	Nev.
Ledoux, William Adelard	Mass.	Leighton, Leocade	Va.
LeDuc, Philip Sheridan	Mass.	A B 1010 Tufta College	va.
Lee, Alma Raines	N.C.	A.B. 1939, Tufts College A.M. 1943. The George Washington	
A.B. 1942, East Carolina Teachers	IV.C.	University	SII .
College		Leighton, Nici	9.7.
Lee, Dorothy	DC	Leighton, Pauline Geoghegan	Va.
Lee, Edward Min	D.C.	Leighton, Pauline Geoghegan Leighton, Virginia Cecil	Nev. D.C.
Lee, Emil Weldon	D.C.	Leikari, Kenneth Arvi	D.C.
	Md.	Leimbach, Dorothy Gadbois	N.J. D.C.
B.S. 1948, Georgetown University		A.B. 1945, Brown University	D.C.
Lee, Ethel Adeline	Wis.	Leinbach, Martha Ruth	NC
Lee, Everard Hendrix	Va.	Leins, Charles Olaf	N.C. N.Y.
Lee, Gilbert Stanley	D.C.	Leinster, Roy Luttrell	N.Y.
A.B. 1941, Stanford University		B.S. 1931, United States Military	D.C.
Lee, Helen	D.C.	Academy	
Lee, Jacob F.	Pa.	Leiper, Mary Rita	3.64
Lee, Julia McEachin	Ga.	B.S. 1937, Wilson Teachers College	Md.
A.B. 1941, Oglethorpe University		Lekolitch Alex Is	3.7 7
A.M. 1945, The George Washington	n	Lekolitch, Alex, Jr. Leliaert, Robert H.	N.J.
University		Lem. Mary A	Ind.
Lee, Leroy Linwood	Md.	Lem, Mary A. A.B. 1946, University of Michigan LeMaistre Catherine C	Mich.
A.B. 1948, The George Washington		LeMaistre, Catherine C.	D.L. F.
University		A.B. 1936, New Jersey State	N.J.
Lee, Lily Kwai Keui	Hawaii	Teachers College	
Lee, Lloyd Wilson	D.C.	Lemler, Stephen Morton	241
Lee, Murray Kent	Pa.	Lemley, Charles Raymond	Md.
Lee, Raymond	N.Y.	Lemley, Charles Robert	D.C. Va.
B.S. 1948, Pennsylvania State	IN. I.	Lemon, Edythe Jewel	VA.
College		Lemon, Harvey Jackson	Mich.
Lee, Robert	5.0	Lemons E Ted	Tenn.
	D.C.	Lemons, F. Ted Lenarduzzi, David Rino	III.
Lee, Shiu Lam	D.C.	Lenarduzzi, David Kino	D.C.
Lee, Stanley Jerome	N.Y.	A.B. 1948. The George Washington	
Lee, Thomas	Hawaii	University	
Lee, William M.	D.C.	Leney, Herber Carlton	Okla.
Leech, Gladys Gertrude	D.C.	B.S. 1928, Oklahoma Agricultural	
Leach Walter Marray	Va.	and Mechanical College	
Leedy, Howard Massey	D.C.	LL.B. 1934, University of Oklahoma	
B.S. in Ed. 1011 AM 1010 Wast	D.C.	Leniestey, James Albaugh	Fla.
Virginia University		Lengyel, Kobert Dennis	Conn.
Leedy, Howard Massey B.S. in Ed. 1933, A.M. 1939, West Virginia University Leet, James Edward	DC	LL.B. 1994, University of Oklahoma Lenfestey, James Albaugh Lengyel, Robert Dennis Lennan, Alvin Brooks Lennos, Mary	Md.
Lees, Urban August	D.C.	Lennox, Mary	D.C.
RS tota University of Ma	Ind.	Dente, Watter Scott, Jr.	D.C.
B.S. 1943, University of Minnesota	241	Leon, Grace Veronica	N.J.
Leese, Bernard McKenzie	Md.	Leonard, Charles Richard	Tex.
Lefcourt, Edwin Russell	N.Y.	Leonard, Elfriede Frestine	D.C.
Lefer, Samuel	D.C.	LL.B. 1932, Tartu University	

Leonard, Ethel McVey Leonard, Fusene Anthony Leonard, Orel K	D.C. D.C. D.C.	Levinson, Irving	111.
Leonard, Eugene Anthony	DC.	B.S. 1940, Central Y.M.C.A. College	0.0
Leonard, Orel K	D.C.	Levisson, Monroe Joseph Levisson, Raymond Harold	D.C.
Leontarakes, Kalleope Marie Lepper, Mark Hummer	D.C.	Lev uson, Raymond Harold	DC.
A B 1018 M D 1011 The Green	Va.	Levinson, Rose Golda	D.C.
A.B. 1938, M.D. 1941, The George Washington University		Levitson, Rose Golda Leviton, Daniel Levitov, Edith Sylvia	Va.
Lerner, Joseph Sidney B.S. 1940, Wilson Teachers College A.M. 1947, Columbia University Lerner, Theodore Nathan	Md.	Levy. Charles Kingsley	D.C.
B.S. 1940, Wilson Teachers College	2000.	Levy. Charles Kingsley B.S. 1948, The George Washington	
A.M. 1947. Columbia University		niversity	Md.
Lerner, Theodore Nathan	D.C.	Levy, Donald B.S. 1947, University of Maryland Levy, George Levy, Harry B.S. in M.E. 1936, New York	- Communication of the Communi
LeSage, Roland Joseph Lesansky, Helene	D.C.	B.S. 1947, University of Maryland	Mass.
A B 1042 University of Mine:	D.C.	Levy, George	NJ.
A.B. 1943. University of Miami Leslie, Annavee Faulkner	Okla.	RS in MF 1016 New York	
Leslie, Barbara Mason	Conn.		nc
Leslie, Charles Walton, Jr.	D.C.	Levy, Henry Abraham Levy, Irvin Jack Levy, Nathaniel	D.C.
Leslie, Lester	Va.	Levy, Irvin Jack	D.C.
Lesniak, William Walter	Va.	Levy, Nathaniel	Md.
Lesser, Robert George	Mass.	Lewallen, Iris Battle	
Lester, Frances Grigsby	Va.	A.B. 1921. John B. Stetson University	~ . V
B.S. 1945, Madison College Lester, Robert Thomas	Md.	Lewis, Arnold Charles	N.Y.
Lesuk, Gerald H.	NY	B.S. 1937. College of the City of	
Levander, Rena	N.Y. N.Y.	New York	Va.
A.B. 1943, Swarthmore College		Lewis, Ben, Jr. A.B. 1943, University of Virginia Lewis, Clyde Spencer	
Levart, Herman Henry	Miss.	A.B. 1943, University of Virginia	Va.
Levenson, Abraham Sidney	D.C.	Lewis, Clyde Spencer	D.C.
A.B. 1912. Harvard University		Lewis, Daisy Mildred	D.C. D.C. Va.
M.S. in Ed. 1936, Teachers College of City of Boston		Lewis, David George, Jr. Lewis, Edward	Va.
Levenson, Judith Shirley	Va.	Lewis Edward Williams	D.C.
Leverington, Richard Dean	D.C.	Lewis, Edwin Newell Lewis, Elizabeth Irene Lewis, Frank Hedges	IOW8
Levi, Garnett William	D.C.	Lewis, Elizabeth Irene	Md.
Levin, Abram	Pa.	Lewis, Frank Hedges	Va.
LL.B. 1936, B.C.S. 1940, Columbus		Lewis, Frank Hedges B.S. 1937, University of Maryland Lewis, Frederick Roland Lewis, Glenn Paul	Ohio
University		Lewis, Frederick Rotane	W.Va.
Levin, Alexander	N.Y.	Lewis, Glenn Paul Lewis, Harry Frank	
Levin, Bernard	D.C.	A.B. 1919, West Virginia University Lewis, Helen Lawrence	Cons.
Levin, Edward Levin, Haskell	Conn.	Lewis, Helen Lawrence	Del.
Levin, Henry Max	D.C.	Lewis, Irving	
Levin, Irving	D.C. N.J.	A.B. 1948, University of	Md.
Levin, Isaac	D.C	Pennsylvania	n.C.
Levin, Jacob Solomon	D.C.	Lewis, Jack Collins Lewis, James Edward	D.C.
Levin, Joseph	D.C.		
Levin, Loon	D.C.	A.B. 1933, Maryville College Lewis, Jesse Wyeth	N.Y.
Levin, Mark	III.	Lewis, Jesse Wyeth	D.C.
B.S. 1948, Princeton University			
Levin, Philip	Md.	A.B. 1929, Harvard University A.M. 1930, Brown University Discourse Very University	
Levine, Alfred Bernard	Va.	Ph.D. 1941. New York University Lewis, John Wallace	Va.
B.S. in E.E. 1946, Cornell		Lewis, John Wallace	D.C.
University M.S. in E.E. 1948, Renssalser			-00 AGA
		Lewis, Joyce Winnifred Lewis, Leonard Mark	N.Y.
Levine, Boris B.M.E. 1934, Polytechnic Institute of Brooklyn	D.C.	Lewis, Leonard Mark	
B.M.E. 1934, Polytechnic Institute	20101	B.S. 1946, University of North	D.C.
of Brooklyn		Carolina Lewis, Lunsford Harland	D.C.
Levine, Carl Raipa	Mich.	Lewis Markham Van Fossen	Md.
B.Ch.E. 1935, M.S.E. 1938,		Lewis, Markham Van Possen Lewis, Palmer Areli	D.C.
University of Michigan	21.25		D.C.
Levine, Grace Flax Levine, Irving Abraham	N.Y. D.C.	Lewis, Robert Baughman A.B. 1941, University of Western	
Levine, Irving Seth	D.C.	A.B. 1941, University of Western	p.C.
B.S. 1041, M.S. 1041, Massachusetts	2.00	Untario	9.0
Institute of Technology		A.B. 1916, The George Washington	
Levine, Leonard Bernard	D.C.		Tens.
Levine, Samuel	N.Y.		
A.B. 1946, Brooklyn College		A.B. 1935. Washington University A.B. 1935. Washington Washington	
Levine, Seymour Solon	N.Y.	LL.D. 1941, 130	p.C.
Levine, Thelma	D.C.	Introcate	D.C.
Levinson, Arnold Seymour	Va.	Lewis, William Hubert	

1 1 1/1			
Lewitz, Marian	D.C.	Lindberg, Betty Slagle	Pa.
Lexa, Frank Joseph, Jr.	Minn.	Lindberg, Carl Donald	Pa.
A.B. 1943, University of Minnesota		Lindberg, Betty Slagle Lindberg, Carl Donald Lindberg, Dale Sheldon	D.
Leydon, James Andrew	Mass.	A R 1048 Rushnell Tiningston	Pa.
	Tex.	A.B. 1943, Bucknell University	
Leyendecker, Edward Russell, Jr.	D.C.	Lindberg, Sam Wright Linden, George	D.C. N.Y. N.Y.
Leyes, Juan Aparicio	D.C.	Linden, George	N.Y.
L'Heureux, David Eugene	D.C.	Linden, Joseph Edwin Linden, Robert Joseph	N.Y.
Liang, Edward Yin	D.C. D.C. D.C.	Linden, Robert Joseph	NY
Lianos, Jane Randell Libbee, Max Scott	D.C.	Lindler, Fred B.	8.C.
Libbee May Scott	DC	AR 1008 Nambers Callan	a.C.
Libba Edwin Clark	N.H.	Lindley, Jonathan Lindley, Thomas Madison Lindner, Lydia Dorothea	E
Libby, Edwin Clark	14.11.	Lindley, Jonathan	D.C.
Libby, Ruthven Elmer	Va.	Lindley, Thomas Madison	Ariz.
B.S. 1922, United States Naval		Lindner, Lydia Dorothea	N.Y.
Academy		A.B. 1943. Brooklyn College Lindner, Thaddeus Alphonse Lindow, Eva Thompson	
MS 1011 Columbia University		Lindner Thaddeus Alphones	NIV
M.S. 1931, Columbia University Liberty, Cyril Jean	D.C.	Lindow Eur Themann	N.Y.
I thus I am	D.C.	Lindow, Eva I nompson	DC.
Libys, Leon	D.C. N.Y. N.Y. D.C.	Lindquist, Lawrence Axel Lindquist, Wallace Alfred, Jr.	R.I.
Lichtenberg, Arthur Gilbert Lichtenstein, Harold	N.Y.	Lindquist, Wallace Alfred, Jr.	
Lichtenstein, Harold	N.Y.	B.S. 1949. Purdue University	
Lichtenstein Lucille G	D.C	Lindsay Douglas Edward	N.Y.
Lichtenstein, Lucille G. Lichtenstein, Marianne	D.C.	Lindson Inna Coom	24-8-
L'altracter, Marianne	D.C.	Lindsay, Jane Carey	Va.
Lichtenwalner, Jay Young	Pa.	Lindseth, Clinton Oliver	N.D.
Lichtman, Seymour	N.J.	Lindsey, Rosamond O'Neil	Va.
Lidiak, Joseph Edwin Lidsky, Martin David	Pa.	B.S. 1949, Purdue University Lindsay, Douglas Edward Lindsay, Jane Carey Lindseth, Clinton Oliver Lindseth, Clinton Oliver Lindsey, Rosamond O'Neil Lindsey, Ruth Elizabeth B.S. in Ed. 1948, East Central State	Okla.
Lidsky, Martin David	N.Y.	B.S. in Ed. 1948. East Central State	
Lieberman Harold Merle	DC	College	
Lieberman, Harold Merle Lieberman, Herman	D.C. N.Y.	Time Tunille	20
DE TOURN MC CON CON	74. 2 .	Line, Lucille A.B. 1940, University of Montana	Mont.
B.S. 1935, M.S. 1936, College of the City of New York		A.B. 1940, University of Montana	
City of New York		Linehack, Stanley Martin	D.C.
LL.B. 1942, The George Washington		Linehack, Stanley Martin Linehan, Daniel William	Mass.
University		Linehan, Edward Eugene	Mass.
Liebling, Herman	N.Y.	RS 1041 Roston College	747-129'
A.B. 1941, Brooklyn College	44.4.	B.S. 1943, Boston College Linfield, Robert Frederick	DC
A.D. 1941, Diookiya Conege		Linneld, Robert Frederick	D.C. N.Y.
A.M. 1945, American University		Linhof, Eric	N.Y.
Liebow, Elliot Liebst, Barbara Colleen	D.C.	A.B. 1949, University of Rochester Link, Edgar Martin	
Liebst, Barbara Colleen	Kans.	Link, Edgar Martin	Pa.
Lieder, Nathan	D.C.	Link, Robert O	Va.
A.B. 1943, College of the City of	2.0.	Link, Robert Wendell	NI I
Now Vork		Link, Robert Welldell	N.J.
New York	20.0	Linkins, Robert Mason	MIG.
Lief, Donald Wolfe	D.C.	Linman, Douglas Gerrard	D.C.
Liekweg, William Gerard	Va.	Linowes, Ralph Robert	D.C. N.Y.
A.B. 1938, Georgetown University		LL.B. 1948. Columbia University Lipkey, James Ray Lipko, Samuel Wayne	
Lien, John Pershing	Va.	Linkey James Ray	DC
Liepe, Wolfram	III.	Links Comuci Way	DC. DC. N.Y. D.C.
A.B. anan Analosh College	8.00.	Lipao, Samuel Wayne	DC.
A.B. 1947, Antioch College Liesener, Victor Frank		Lipman, Charles Winfield Lippovaky, Frank Joseph Lippitt, Edward Gardner, Jr. Lippitt, Raymond Franklin Lippitt, Thomas Perry	N.Y.
Liesener, Victor Frank	Wis.	Lipovsky, Frank Joseph	D.C.
Light, Bette	D.C.	Lippitt, Edward Gardner, Ir	
Light, E. Jerry	Pa.	Lippitt Raymond Franklin	D.C.
B.S. 1946, Columbia University Light, Leona Handler		Lippitt Thomas Permi	D.C.
Light Loons Handles	D.C.	Lippict, Thomas Perry	D.C.
	D.C.	Lippman, Morton	N.Y.
A.B. 1946, Tufts College	50	Lipscomb, Nancy Harris	Mo.
Light, Virginia Gayle	D.C.	Lipsky, Harold	D.C.
Lightfoot, Bain	Va.	A.B. 1947, New York University	۵.۷.
Lii, Hwei-Chen	D.C.	Times Town I was University	20
B.S. 1943, Cheeloo University, China		Lipson, Joanna Hazel	Va.
Liber Deber Lee	OLI.	Lipton, Robert Beryl	D.C.
Liken, Robert Lee	Okla.	Lischiner, Manon	N.Y.
Lilenquist, L. Blaine	Idaho	Liska, Olga Mary	
B.S. 1938, University of Idaho			D.C.
Lilien, Charles Ernest	X11.	Lisonbee, Bird Eugene	Va.
Liljegren, Ervin James	Md.	Lisowski, Virginia Mary	Minn.
Y '11 . 1 87 . L 1 E'2	Marc.	Lister, Stanley Marsh	D.C.
Lillard, Kathleen Flester	Va.	Links Asthus I walnin	
Lilliedale, Wilma Varalee	Ohio	Little, Arthur Ludwig	Conn.
Lillieford, Hubert Whitman	Conn.	Litke, Arthur Ludwig B.S. 1944, Trinity College	
Lilly, Donald Louis	Md.	M.B.A. 1947, University of	
Linaburg, Nelson Dotton	Va.	Pennsylvania	
	34.		20
Linch, Marjorie Elaine	Mo.	Litman, Albert	D.C.
Linchuck, Stanley Martin	D.C.	Litteral, Kelley	Md.
Lincoln, John Larkin IV	Va.	A.B. 1946, Washington and Lee	
Lincoln, John Larkin IV Lincoln, Judson Ovley	Va.	University	
A R tota University of Manual	V =-	Little, Arthur Franklin	D.C.
A.B. 1943, University of Maryland Lind, Robert Neal			
Lind, Kobert Neal	Va.	Little, Doris Anita	D.C.
Lindamood, Joseph Ganam, Jr.	Md.	Little, Frances L.	D.C. N.C.
A.B. 1943, University of Maryland		Little, John Morgan	D.C.

Little, Martha Louise	Va.	Long, George Edward	Mic
A.B. 1935, Wellesley College A.M. 1942, Middlebury College		Long, Grace Horton	SC
A.M. 1942, Middlebury College		Long, Helen Cornelia	DC
Little, Mary Jane	D.C.	Long, Jack Rush Long, Margaret Freas	D.C
Little, Robert Paul Little, Russell	D.C. N.Y.	Long, Margaret Freas	D.C
Littleton, Willia Calvin	N.Y.	B.S. 1946, American University Long, Mary Frances	Tenn
Littleton, Willis Calvin Littman, Simon	Ky. D.C.	Long, Mary Frances	10
LL.B. 1931, University of Maryl	and	B.S. 1934. State College, Joshua City. Tenn.	
Littwin, Charles Stuart	N.J.	Long, Mary Louise	W.Va
A.B. 1945, Hobart College Littwin, Marguerite Kathryn		Long, Melvin Eugene	Pa.
Littwin, Marguerite Kathryn	Va.	Long, Orrin	111.
Litwin, Albert	111.	A.B. 1941, University of Chicago Long, Paul Robert	Pa.
A.B. 1938, Wayne University Litz, Paul	10.0	Long, Paul Robert	1.4
Lin Daisy	DC.	Long, Penelope Graham	
Liu, Daisy Liu, Ho	D.C. D.C.	B.S. 1955. Wilson Teachers College Long, Richard Ward	pc
A.B. 1042, Luignan University Ch.	ina	Long, Robert Lawrence	Kans.
Livengood, Ralph Leon Liverman, Myrtle Louise	D.C	Longen, Edmund Herman	SD.C.
Liverman, Myrtle Louise	Va.	Longfellow, Don Woodward	Dir.
Livesay, Katheryn Ann	Mo.	Longfellow, Edwin Connor	Calif
Livingston, Charles Richard Livingston, Gordon Kendal	Va. N.Y.	Longley, Mary Olga	DC.
Livingston, Gordon Kendal	N.Y.	Longoria, Victor Manuel	N1.
Livingston, Leonard Leroy	Mich.	Longstreet, Archie P	DC. N. P. C.
Livingstone, Earl Leslie A.B. 1947. The George Washington	D.C.	Longstreth, Wallace Isaac	DC.
University	4	Longyear, Andrew Rudston	D(
Lizardo, Jose Desierto	D.C.	Longyear, Helen Elizabeth Longyear, Robert Rudston	DC
A.B. 1938, San Francisco State Col A.M. 1946, The George Washington	lege	Looft, Donald John	lows
A.M. 1946, The George Washington	3	Looman, Richard Edward	Ya. Tex.
University		Loomis, Gilbert Brainard, Jr.	Tex.
Lizdas, Anthony	Md.	Loomis, Gwendolyn Yvonne	DC.
Lloyd, Albert Lawrence, Jr.	Va.	Loomis, Helene Elisabeth	18.0
Lloyd, Benjamin Joseph, Jr. Lloyd, Rita Hortense	Md	Loomis, Jerome Lathrop	111
Locher, Junior Lewis	Md.	Loomis, Maxine Ann	MIJ
Lockhart, Elizabeth Berkeley	Va.	Loos, Dickson Randall	
A.B. 1927, College of William and		A.B. 1945, Dartmouth College B.S. 1945, Yale University	17 . mt
Mary		Loper, Matel Grace	DC.
Lockwood, Robert Kenneth	D.C.	Lonez Cornelio	
A.B. 1943, Maryville College		A.B 1927, University of Iows	to Rico
LL.B. 1948, The George Washingto	06	Lopez, Israel	Tes.
University	4 241	Lonez, Leo William	
Locraft, Vonnette Bogan Lodato, Norman Joseph	Md.	A.B. 1017. St. Mary's College	p.C.
Loe, Myron L.	N.Y. D.C.		
Loewy, Elaine	Pa.	A.B. 1937, Our Lady of the Lake	- 0
Loewy, Marvin Richardo	D.C	College	DC
Lofgren, Mae Jean	Md.	Lopez, Manlio M	Md.
B.S. 1943, University of Pittsburgh Loslin, John James, Jr.)	Lopez, Manuel Herve	160
Loffin, John James, Jr.	Va.	A.B. 1041, Clark University Lorch, Margaret JoAnne	Mo.
Loftus, Joseph Logan, Elizabeth Bronson	D.C.	Lore. James Frederick	Minn.
Logan, Elizabeth Bronson	D.C.	Loren, Phyllis C	1 4.
Logan, John Paul	Pa.	Loren, William Odin	DC.
Logan, Joseph Albert	Mass.	Lorence, Elizabeth May	111.
Logwood, Linda L. Lohm, Thomas Alexander	Md.	Lorenz, James Edward	DC.
Lohman, Richard Herbert	D.C.	Loro, Marion Wilson	1. 1.
Lohr, Betty Ann	D.C.	Lorusso, Angelo Joseph	F'a
Lokke, Bernard Molineaux	N.Y.	Lorusso, Rudolph Richard	N.J.
Lombardi, Reilly Robert	Ohio	1 17 1 1711	
Lonberger, Stanley Thomas	D.C. N.Y.	A.B. 1947. A.M. 1948. Syracuse	
Londis, Louis James	N.Y.	University	Va.
London, Arthur	Md.	Loudon, Elizabeth McIntyre A.B. 1912, University of Michigan	Va.
London, John Monte	N.Y.	A.B. 1932, University of John Court	Va.
A.B. 1941, Harvard University Lonergan, Ann Yates	Coon	Louk, Elvin Gray	p.C
B.S. 1948, Wilson Teachers College	Conn.	Louk, Ralph Glynn	Ohio
Lonergan, David Leo	Calif	Lourenco, Manuel Joseph Lourie, Leonard Levy	Oille
Long, Bacel Ellie	W.Va.	A.B. 1042, Miami University	Pa.
Long, Billie Ketchie	Wash.	Louz, Alvin Lincoln	
Long, Charles William	Md.	A.B. 1928, Ursinus College	
Long, Dewey Cecil	Okla	A.B. 1928, Ursinus College A.M. 1940, Columbia University	

1			50
Lovans, Lloyd C. A.B. 1947, The George Washington	Minn.	Ludwig, Helen A.B. 1948, The George Washington	D.C.
A.D. 1947, The George Washington		A.D. 1948, 1De George Washington	
University Love, Ferne Mabel	Pa.	University Luebke, Warren Herman	D.C.
Love James William	Pa.	Luedeman, Hazel McClure	Va.
Love, James William Love, Leland Willia	Va.	A R 1026. University of Kansas	¥ 46.
B.Ch.E. 1938, Ohio State University M.S. 1940, Washington University Love, Winifred	V 41.	A.B. 1926, University of Kansas Luers, Mildred May	D.C.
M.S. 1040 Washington University		Luhtanen, Andrew Aatos	D.C.
Love, Winifred	W.Va.	Luke, Malvin Richard, Jr.	Utah
A.B. 1015, Mary Baldwin College		Lukens, Arvilla Ina	D.C.
A.B. 1935, Mary Baldwin College Loveless, Ernest Alvin A.B. 1943, University of Maryland LL.B. 1947, The George Washington	Md.	Lukens, Fred Edward	Idaho
A.B. 1943, University of Maryland		A.B. 1908, University of Idaho	
LL.B. 1947. The George Washington		Lukens, Frederick	Idaho
University Lovell, Guy W.		A.B. 1947, University of Idaho Lukens, John Fritchie	Idaho
Lovell, Guy W.	D.C.	A R 1026 University of Ideho	Idano
Lovewell, Suzette Low, Richard James	Mass.	A.B. 1936, University of Idaho Luker, Margot Jelleff	Md.
Lowder, Harold Lee	Md.	Luks, Raymond Joseph	N.Y.
Lowe Catherine Veronics	D.C	Lulkoski, Winifred Adele	N.Y.
Lowe, Catherine Veronica Lowe, Charles Christian	D.C.	A.B. 1945, New York State College	
Lowe Ira Melvin	D.C.	for Teachers	
Lowe, J. William Lowenbach, John William Lowenthal, Emil	W.Va.	Lum, David Walker	D.C.
Lowenbach, John William	D.C.	Lum, Edwin Chung	D.C.
Lowenthal, Emil	D.C.	Lumer, Wilfred	D.C.
Lowenthal, Herman	D.C. D.C. D.C.	Lunche, Charlene Z.	Minn. Pa.
Lower, George Elmer	D.C.	Lund, John Freeman Lund, Van Metre	Iowa
Lowrie, Elwood Dawson Lowrie, Virginia Dare	D.C. D.C.	B.S. 1944, Iowa State College	TOWA
Lowry, Allen Wilson	Ohio	Lundin Dorothy K.	D.C.
Low John Trying	Va.	A.B. 1937, Hunter College	
Loy, John Irving A.B. 1942, University of California	V 41.	Lundgren, Flenry Willard	Wash.
at Los Angeles		Lunderen Suzanne Stone	D.C.
Loyd, Arden Robinson	D.C.	Lundquist, George Arthur B.S. 1948, University of Maryland Lundy, Julian Percy Lung, Ernest Hezakish	Md.
Loyd, Elizabeth Gragg	D.C.	B.S. 1948, University of Maryland	0.0
Loyd, Ray Dean Loyk, Victor	D.C.	Lundy, Julian Percy	S.C. D.C.
Loyk, Victor	Va.	RS 1018 University of Maryland	D.C.
Lozano, Edgardo Manuel	Del.	Lung, Ernest Hezakiah B.S. 1938, University of Maryland Lunn, Ruth Martine B.S. in Ed. 1936, State Teachers	D.C.
	Mexico	B.S. in Ed. 1936, State Teachers	2.0.
Lubczyk, Johanna	Pa.	B.S. in Ed. 1936, State Teachers College, St. Cloud, Minn.	
Luber, Shirley Natalie	D.C.	Lunaford Linwood F	Md.
Lubin, Joseph Meyers	Md.	A.B. 1937, University of Virginia Lupo, Frank John	-
Lucas, Bertha Lovell A.B. 1923, The George Washington	D.C.	Lupo, Frank John	D.C.
University		Luscomb, Charles Edward, Jr. Lush, Roberta Cregier	Conn.
Lucas, Charles William	Va.	Lusk, Rufus Speake	D.C.
Lucas, Henry August	N.Y.	B.S. 1948, Georgetown University	D.C.
Lucas, Joseph John	Pa.	Luther, Elmer Eugene	Mo.
Lucas, Marguerite Vernon	Ind.	Luther, Lloyd Slade	D.C.
Lucas, Mildred Foster	Va.	B.S. 1933, Rhode Island State Teachers College	
A.B. 1948, The George Washington		Teachers College	_
University		Luther, Mary Jean Lutz, Paul Alan	D.C.
Lucas, Sara Elizabeth	N.J.	Lutz, William Fletcher	Pa.
A.B. 1946, Swarthmore College		DS in Food tour Foodblin and	Va.
Luce, Charles Francis	Md.	B.S. in Econ. 1947. Franklin and Marshall College	
Luce, Karine Pattison	D.C.	Luyten, Maria Elsa Neth	erlanda
B.S. 1933, A.M. 1937, Columbia University		M.R. in de rechten 1946, Leiden	erran ca
Luce, Robert James	DC	University	
Lucia, Angela	D.C. Minn.	Lyda, James Claude H.	D.C.
Lucian, John Paul	D.C.	A.B. in Govt. 1948, The George	
Luck, William Bryant	Va.	Washington University	
Luckett, Richard Samuel, Jr.	Va.	Lyle, Robert Eugene	D.C.
A.B. 1942, Randolph-Macon College	V 66.	Lyle, Robert Simpson	Va.
Luckey, Albert B., Jr.	Fla.	A.B. 1929, Dartmouth College M.S. 1940, Cornell University	
A.B. 1946, Georgetown University		Lyles, George Robert	D.C.
Luctman, Frieda Frank	D.C.	Lyman, Lawrence	Pa.
Lucy, Florence Regina	Pa.	Lyman, Marjorie Anne	Va.
Luddeke, Rhoda Natalie	D.C.	Lynch, James, Jr.	D.C.
A.B. 1948, University of Cincinnati		Lynch, John Currin	D.C.
Ludka, Chester Edward	N.Y.	Lynch, John William	Md.
Ludko, Pauline Priscilla	Conn.	Lynch, Marion Paull	D.C.

Land Will 78 1	_		
Lynch, William Charles	Conn.	Machlin, Judith Machlis, Franklin Elliett	D.C
Lynch, William Walker	Va.	Machlis, Franklin Elliott	D.C
Lyne, Mary Catherine B.S. 1940, Madison College	W. Va.	Machilley, Clarence Eugene	DC
Lynghy Alfred Robert	Fla.	Mack, Alice Louise	Wash D.C
Lyngby, Alfred Robert B.S. 1937, LL.B. 1940, University	FIE.	Mack. James Edward	
of Alabama	,	A.B. 1943, The George Washington	1
Lynn, Alice May	Va.	University Mach John Walford	Md
Lynn, Bernard	D.C.	Mack, John Halford	200
Lynn, Donald Mason	D.C	B.S. 1937, University of New Hampshire	
Lynn, Evelyn Irons	Va.	Mack, Victor Anthony	N.Y.
Lynn, George Wallace, Jr.	Va.	A.B. 1941. Brooklyn College	
Lynn, Luther Conrad	Ohio	A.B. 1941, Brooklyn College Mackall, Mary Evelyn	Md.
Lynn, Nancy Lee Lyon, Frances College	VA.	A.B. 1041 Duke University	
	D.C.	M.S. 1945, Columbia University	20
B.S. in Ed. 1947. Wilson Teacher College	8	Mackensen, Judith Agnes	D.C.
Lyon, Malcolm Bernard Lyons, Charles Malaher	21.22	M.S. 1945, Columbia University Mackensen, Judith Agnes Mackenzie, William James, Jr,	Va.
Lyons, Charles Malaher	N.H. Mass,	Mackey, Argyle Robert	N.Y.
B.S. 1912, United States Nava	IVERSS,	Mackey, Argyle Robert Mackey, Leonard Bruce B.E.E. 1945. Rensselaer Polytechn	
		D.E.E. 1945. Kensselaer Polytechu	
Lyons, John J.	Mass.	Institute Mackin John Rosen Ja	D.C.
A.B. 1948, Harvard University	,	Mackie, John Broen, Jr. Mackiernan, Darrell Enthia	D.C.
Lyons, Lloyd Edward	D.C.	A.B. 1014. University of Maine	4.2 W
Lyons, William Stewart	D.C.	Mackrell, James Joseph	N.Y.
Lytle, John Albert	Va.	A.B. 1934, University of Maine Mackrell, James Joseph MacLaughlin, Matthew Charles	Was .
Academy Lyona, John J. A.B. 1948, Harvard University Lyona, Lloyd Edward Lyona, William Stewart Lytle, John Albert Lytle, John Thomas Lytle, Martha Jane Lytue, Waltham Walter	D.C.	MacLean, Bonnie Jean	D.C.
Lytie, Martha Jane	Va.	MacLenn Iulia	
Lytzen, William Walter A.B. 1947. The George Washington	Calif.	A.B. 1947. The George Washington	
University George Washington		University	nc
Culvanty		MacLean, Marion Elizabeth B.S. 1944, The George Washington	
M		D.S. 1944, The George Washington	
		University MacLand Halon Louise	D.C.
Ma, Pah Loh	D.C.	MacLeod, Helen Louise MacMillan, John Howard MacMillan, Katharine Shepard MacMillan, Margaret Jane	Md.
A.B. 1943, Soochow University,		MacMillan Katharine Shenard	Pa.
China		MacMillan, Margaret lane	p.C.
Mabry, Carol Joan Mabry, Shirley Ann	D.C.		
Mabry, Shirley Ann	D.C. N.Y.	B.F.A. 1043; Syracuse University MacNab, John Erwin A.B. 1048, The George Washington	-made
Macaidao, vincent Grondia	N.Y.	MacNab, John Erwin	-
A.B. 1948, Yale University MacArthur, Edgar Huston		A.B. 1948, The George Washington	
MacArthur Com	D.C.	Chivesaley	D.C.
MacArthur, Guy Macauley, Rubye Mitchell	III.	MacNeil, Joseph Hector MacNichol, Layton Frank A.B. 1942, The George Washington University	D.C.
A.B. 1028 Mount Morris College	211.	MacNichol, Layton Frank	
A.B. 1938, Mount Morris College M.S. 1948, Columbia University MacCormick, Wilfred Raymond		University Macomb, Alexander B.S. 1911, United States Naval Academy	D.C
MacCormick, Wilfred Raymond	D.C.	Macomb Alexander	D.C
	N.Y.	RS 1011 United States Naval	
MacCracken, William Lewis MacDonald, Lucille Oak MacDonald, Mary Alice	N.Y. D.C. D.C	Academy	D.C.
MacDonald, Lucille Oak	D.C		Mass.
MacDonald, Mary Alice	D.C.	MacPhee, Mary Isabell	
MacDougall, Dougall Mace, Almon Turley	Va.	A.B. 1935, Boston University	D.C.
Mace, Almon Turley	Ind.	MacThee, Mary Isabell A.B. 1935, Boston University Macpherson, Alan Campbell B.S. 1945, University of Maryland MacRee, Duncan Shaw	
B.S. 1934, M.S. 1936, Purdue		B.S. 1941, University of Admir.	D.C.
Mace, Howard Perry	Va.	Mackae, Duncan Snaw	Maine
A.B. 1941, The George Washington	va.	Macri, Frank John A.B. 1944, University of Maine Madden, Morton Herman	Md.
University		Madden Moston Herman	Kans.
Macekura, Joseph MacElhaney, Richard MacElhose, Jack Harold MacFarlane, James Cunningham, Ir.	Pa.	Maddix Grace Evelyn	Md.
MacElhaney, Richard	NY	Maddox, Preston Francis	D.C.
MacElhose, Jack Harold	W.Va.	Maddox, Shirley Virginia	Va.
	Mass.	Madron, James Shirley	Iows
MacGill, Leon Herbert	Va.	Madsen, Adelaide M.	e
MacGowan, Winifred Cannon Macgregor, Jeanne	D.C.	Maddis, Grace Evelyn Maddox, Preston Francis Maddox, Preston Francis Maddox, Shirley Virginia Madron, James Shirley Madsen, Adelaide M. B.S. 1946, Iowa State College of Agriculture and Mechanic Arts	mi.
A.B. 1958, Tufts College	Mass.	Agriculture and Mechanic	Wis.
Machin, Paul Darby	DC	Madage Recyl Marie	NJ.
Machita, Eleanor	D.C.	Maffey Rainh Burton	244
A.B. 1945. Ohio University	N.J.	BS in Pharm, 1941, Rutgers	
Machita, John	D.C.	University	anada
Machita, John A.B. 1948, The George Washington	20000	Magann, Patricia Lames	A ST-
Cuivernity		MARKE, RUDGET LINES. /	D.C.
Machlin, Arthur	N.Y.	Magelssen, Inger-Marie	

Maggio, Paul Angelo	N.Y.	Malone, William Grady	La.
Magill, Arthur Andrews	N.Y. D.C.	B.S. 1941, Louisiana State University	
B.S. 1940, Haverford College	_	Maloney, Edward	N.J.
Magin, George Benedict, Jr. B.S. 1946, University of Chattanoon	Tenn.	Maloney, Ellen Elizabeth A.B. 1929, University of Maine	Va.
Magnan, John Leslie	MI	Malones Grace Catherine	DC
Magnan, John Leslie Magner, Joseph Paul	N.J. D.C.	Maloney, Grace Cathenne Maloney, Helen Johnson Maloney, James Edward Maloney, Patricia Claire Maloney, William Everett Malowski, Mary Marguerite	D.C.
Magness, John Lower Magnus, Frederick	Ohio	Maloney, James Edward	Va. DC. DC. DC.
Magnus, Frederick	Mont.	Maloney, Patricia Claire	DC.
Magruder, Donald Richard Magruder, Wilson Kent Maguire, Katherine Doehne	D.C.	Maloney, William Everett	DC.
Magruder, Wilson Kent	D.C.	Malowski, Mary Marguerite	Minn.
A P. Atherine Dochne	Pa.	Malstrom, Robert Andrew Maltagliati, Oreste Francis	Much
	200	Maltagliati, Oreste Francis	D.C.
Magurn, Joseph John A.B. 1938, Harvard University Mahaney, Thomas Preston	D.C.	Maltby, Wilson Ray A.B. 1910, Milton College	Va.
Mahaney, Thomas Presson	Mich.	A.M. 1030, Milital College	
	NY	A.M. 1933, University of Wisconsin Maltman, William Leneave	D.C.
Mahardy, John Thomas Maher, Francis Patrick	N.Y. N.Y. Tex.	B.S. 1043. University of Oregon	
Maher, Francis Patrick	Tex.	Maltz, Albert Gerald Malven, Cal Stanislaus	D.C.
Mahler, Arthur Peter Mahler, Nora F.	N.Y. Tex.	Malven, Cal Stanislaus	1.3
Mahana Tana Mahana	Tex.	Mamish, Julia Mancall, Frances Addie	W.Va.
Mahoney John Andrew	Del.	Mancall, Frances Addie	Fla.
Mahoney John Henry	D.C. Va.	Mandel, Bernard	Va.
Mahoney, Maurice	Ind.	A.B. 1013. A.M. 1934, University of Pennsylvania	
Mahoney, Richard Joseph	N.Y.	Mandel, Howard	N.Y.
Mahoney, James William Mahoney, John Andrew Mahoney, John Henry Mahoney, Maurice Mahoney, Richard Joseph Maida, Stewart Anthony Maiers, John Sigmond Main, George Henry Main Loho Edwir	Md.	A.B. 1010. City College of the City	
Maiers, John Sigmond	D.C.	A.B. 1939, City College of the City of New York	
Main, George Henry	Md	Mandel, Nathan	N.Y.
Main, John Edwin Main, Rita Estelle	D.C.	Mandelberg, Joseph	N.Y.
Main, William Elmer	D.C.	B.S. 1947, City College of the City of New York	
Mainhart, Howard Morsell	Md.	of New York	200 000
Maira Caril Emil V.	D.C.	Mandes, James Charles	D.C.
Maire, Elisabeth Lucille	Ma	A.B. 1947, The George Washington University	
Maisch, Jane Costello A.B. 1942, The George Washington	Tex.	Mandjuris, Andrew Anthony	Md.
A.B. 1942, The George Washington		Mandragos, Constantine Nicholas	DC.
University	_	Mangan, James Augustine, Jr.	Va.
Maisch, Ormand Russell	Tex.	Manger, William Franklin	Va.
Majchrzyk, Edmund Steven Maki, Walfred Victor	N.Y. Minn.	Mangold, Robert John	D.C.
Makiedo, Ljubica Laca	D.C.	Mangum, Mary Coe	Va.
Malaier, Elbert Hubbard	Ga.	Mangun, John Warren	DC.
Malaier, Elbert Hubbard Malask, Bernice	D.C.	Manico, Samuel Anthony	N.Y.
Malboeut, Altred Charles	Calif.	Manitsas, Elly Despina	DC
A.B. 1943. University of California		Mankin, Arthur Kenneth	DC.
Malcolm, Lewis Frederick, Jr.	Md.	Manley, Albert	D.C.
B.S. in M.E. 1935, Purdue Universit Malecki, Robert Joseph	y 97.	Manley, Margaret	Minn.
B.S. 1943, Central State Teachers	Va.	Manly, R. J.	D.C.
College		A.B. 1933, Austin College	
Maletz, Charlotte Doris	D.C.	Mann, Betty Lou	Md.
A.B. 1947, The George Washington	2.0.	Mann, Charles Clark B.S. 1934, United States Naval	Va.
University		Academy	
Maliniak, Irene Maja	D.C.	Mann, Charles Kenneth	D.C.
Malison, Robert	D.C.	Mann, Donegan	D.C.
Malkin, Jack	D.C.	A.B. 1947, The George Washington	D.C.
Malkin, Warren Preston	D.C.	University	
Mallay, Jane Ann Malley, Francis Edward	Va.	Mann, Jean Carol	Md.
	N.J.	Mann, Jesse A.	D.C.
Mallgrave, William John	D.C.	A.B. 1947, Georgetown University	
Mallios, Margarita	D.C.	A.B. 1947, Georgetown University Mann, Robert Urban	D.C.
Mallon, Jerome Anthony	Va.	Mann, Shirley Louise	Md.
Mallory, Suzanne Lippincott	Va.	Manne, Jacqueline	N.J.
A.B. 1942, Bryn Mawr College		Manning, Charles Madison	Ky.
Mallos, Samuel	D.C.	A.B. 1947, Union College, Ky.	
Malloy, Honore Elizabeth	Pa.	Manning, Ellis Wooster, Jr.	Md.
Malmat, Harold	N.Y.	Manning, Francis John	Va.
Malone, John Edmund Malone, Marguerite Harrison	Md.	Manning, Glenn Franklin	Ala.
Malone, Paul	D.C.	LL.B. 1948, University of Alabama	
Malone, Ralph Whatley	Md.	Manning, Joseph Howard	Md.
	Mau.	Manning, Louis Meneghini	Md.

464

The University Record

Manning, Ruth Martin D.C. Marks, Lee Robert, Jr.	G
Tree in the state of the state	
A.B. 1928, Oakland City College Marks, Leta Sue	D.C N.Y
A.B. in L.S. 1929, University of Marks, Paulina Konoff Michigan A.B. 1945, Oberlin College	
Mano, Kyuma Ill. Marks, Solomon	3.60
Manolatos, Spiro George D.C. B.S. in Ed. 1937, College of the Manos, Nicholas Emmanuel Calif. City of New York	
Manos, Nicholas Emmanuel Calif. City of New York A.B. 1938, A.M. 1942; University of Markwood, James Anderson	D.C
California Markwood Julie	D.C
	Tens
Mansfield, Mae Helen Mansfield, William Noel B.S. 1924, United States Naval Marlow, Charles Austin, Jr. Wallow, Charles Austin, Jr. Marlow, Charles Austin, Jr. Marlow, Charles Austin, Jr. Marlow, Charles Austin, Jr. Marlow, Charles Austin, Jr.	JAEC
B.S. 1924, United States Naval Marlow, Floward Waring	Md
Academy Marlowe, George Albert, Jr.	D.C.
Academy Manson, Joseph Peace Wis. Marmet, Robert Arthur	4 -
B.S. 1942, University of Minnesota Mantell, Lillian Va. B.S. 1946, United States Naval Academy	
A.B. 1932, Hunter College Marmor, Alfred Charles	N.Y.
Manthey, Richard Gledhill Conn. Marowitz, David Daniel	N.M.
B.S. 1948, Western Reserve University Manucia, Herbert L. Va. Marowitz, Virginia Woodbury A.B. 1946, University of Maryland	
Manucia, Herbert L. Manville, Robert Wellensiek Va. A.B. 1946, University of Maryland Maryland Maryland, Eugene Anthony	Va.
Manuano, Teodoro D.C. Marquardt, Frank Richard	Mass.
A.B. 1947, University of Texas Marques, Mary Gilda Maples, Houston Ledbetter, Jr. Md. Ms. B.S. in Ed. 1941, State Teachers	102-
Maples, Houston Ledbetter, Jr. Md. B.S. in Ed. 1041, State Teachers Va. College, Salem, Mass Maravalli, Eugenia Rose Pa. A.M. in B.A., 1942, Boston	
Marangella, Joel Bray Va. College, Salem, Mass Maravalli, Eugenia Rose Pa. A.M. in B.A., 1942, Boston	
Marcel, Louis Santon Marceron, Louis Norman March, Christian Laurin, Jr. March, Christian Laurin, Jr. N.Y. Murrs, Calvin Rodes	Md.
March. Christian Laurin. Jr. N.Y. Marrs, Calvin Rodes	Va. D.C.
March, Francis Andrew, Jr. Va. Marschalk, Mary Madelyn	Va.
March, Joseph Wolf Pa. Marsh, Ernest Victor Marchese, Marion Veronica N.Y. Marsh, Harold Newman, Jr.	Mid.
Marchese, Marion Veronica N.Y. Marsh, Harold Newman, Jr. Marsh, Louis Basil D.C. Marsh, Henry Norman	N.C.
Marcinink Frank Walson N. I. March March Bornica	Man-
transfer to the contract of	
Marcuse, Ernest D.C. Marsh, Richard Wade	D.C.
Mareing, Charles Austin Pa. A.B. 1043. American University	N.Y.
A.B. 1930, Pennsylvania State College Marshak, Dennis	D.C.
Mares, Christie Gilbert Va. Marshall, Charles E. A.	W.Va.
Maresca, Pasquale Vincent, Jr. Margaritis, Nicholas John Md. Marshall, Charles Lance, Jr. Marshall, Charles Lance, Jr.	44.
Margolin, Emanuel David N.Y. B.S. in E.E. 1949, Purdue University	D.C.
A.D 1044 Depoktyn College Starshall Charles Louis	
Margolin, Joseph Bernard N.Y. B.S. 1934, M.S. 1939, Fordham A.B. 1942, Brooklyn College University	Va.
A.M. total The George Washington Marshall Edward Letter If.	Va.
University Marshall, John C.	D.C.
University Marshall, John C. Marshall, John Thomas Marillo, Christy August Marinelli, Citor Francis Marshall, John Thomas Marinelli, Citor Francis Md. Marshall, Mandalene Swindell Marshall, Mandalene Swindell Marshall	Va. Va.
Marillo, Christy August Marinelli, Victor Francis Md. Marshall, Mandalene Swindell	Va.
Attaino, Frank I nomas	-19/
Marinoble James Vincent Va RS 1010 Madison College	N.Y.
Marinoff, Marilya Rosalya D.C. Marshall, Marvin Lawrence Marinucci, Louis Joseph D.C. Marshall, Norton Little	D.C
B.S. in Chem. 1946, University of Marshall, Ruth	Va.
South Carolina Marshall Samuel	m.
Wallon, Paul James Mo. Marshall Walter Lewis	N.C.
Marion, Sarah Crockett Miss. Markert, George Washington III Miss. Marshburn, Bryan Dow	-
Markham, Charles Buchanan N.C. B.S. 1945, Wake Forest College	D.C.
A.B. 1045. Duke University March Charles E.	Vs.
Markham, George Douglas D.C. Marsteller, Herbert Heiskell	-
Markham, George Douglas Markham, Richard Allen Markham, Richard Allen Markham, Wiley Bruce D.C. Marsteller, Herbert Heiskell Martell, Charles B. B.S. 1930, United States Naval	
Markle, Mary Virginia Pa. Academy	
B.S. in Ed. 1944. University of M.S. 1938, Carnegie Institute Pennsylvania Technology	p.C.
Markmann, George Howe Va. Martell, Robert John	D.C.
Markowitz, Irving N.J. Martell, Robert Joseph Maryland N.Y. A.B. 1949, University of Maryland	N.Y.
Markle, Mary Virginia B.S. in Ed. 1944, University of Pennaylvania Markmann, George Howe Markowitz, Irving Mark, Freda Jeanne Marks, Freda Jeanne Pa. Academy M.S. 1938, Carnegie Institute of Technology Martell, Robert John Martell, Robert John Martell, Robert Joseph A.B. 1949, University of Maryland Marks, Freda Jeanne D.C. Marten, Seymour	Min
Marks, Freda Jeanne D.C. Marten, Seymour	

3.6			
Martens, Doris Katharine	Calif.	Martino, Benjamin Carmen	N.J.
A.B. 1944, University of Southern		Martins, Elson Solano	Brazil
California Martin, Albert Ralph	201	Martins, Frank	N.J. N.H.
Martin, Albro	Md. Ark.	Martinson, Edna Marie Martowiez, Edward T.	Ohio
A.B. 1948, The George Washington	AIR	Martusevich, Gregory Paul	N.Y.
CHIVELETTA		Martyn, Earl William	D.C.
Martin, Barbara Anne	Tenn.	A.B. 1939, Catholic University of	
Martin, Beatrice Douglas	Va.	America	
Martin, Carrie Panebaker Martin, Daniel Walter	Md.	Marusic, Rose Agnes	D.C.
Martin, Daniel Walter	Va.	Marit, Stephen Walter	N.J. Va
Martin, Dean Harrington Martin, Donald Drew	D.C.	Marx, James Henry	Wis.
	D.C. Nebr.	RS 1046 Duke University	44 10.
Martin, Frances Iulia	D.C.	B.S. 1946, Duke University Marx, Joseph N.	D.C.
A.B. 1946, Trinity College	270.	Marzo. Floyd Augustus Mascari, Ray John Maser. Wesley John Mashburn. Thomas Vincent	D.C.
Martin, Frank Eugene, Jr.	D.C.	Mascari, Ray John	Md.
Martin, Fred Allen	Mont.	Maser, Wesley John	Nebr.
Martin, Frances Julia A.B. 1946, Trinity College Martin, Frank Eugene, Jr. Martin, Fred Allen A.B. 1948, The George Washington University		Mashburn, Ihomas vincent	Ala,
University Martin, Galen Afton	W.Va.	B.S. 1947, University of Alabama Masiello, Joseph Alvin Maskaleris, Christos Louis	Va.
Martin George Thornes	1'-	Maskaleris Christos Louis	Conn.
Martin, Harry James Martin, Harry Wilson B.S. 1942, Western Carolina Teacher College	Va.	Maslak, John	Pa.
Martin, Harry Wilson	N.C.	Maslak, John Maslanik, William Boris	Pa.
B.S. 1942, Western Carolina Teacher	1	B.S. 1948, University of Pittsburgh	70.000
College Mania VI - 1 7		B.S. 1948, University of Pittsburgh Mason, Archibald Osburn, Jr.	Mich.
Martin, Hugh Ingram	N.Y.	Mason, Chaytor Diez	Va. Va.
Martin, James Alfred B.S. 1940, United States Coast Guar	D.C.	Mason, Gwendolyn Hunsicker Mason, Irma S.	N.Y.
Academy		B.S. 1930, Drexel Institute of	84.8.
Martin, James Lewis, Ir.	D.C.	Technology	
Martin, James Lewis, Jr. Martin, Janice Catherine A.B. 1948, The George Washington	Va.	Mason Katharine Natalie	Va.
A.B. 1948, The George Washington		B.S. in Educ. 1946, Madison College	Ĉ
		(Va.)	Va.
Martin, Jerome Daniel	Iowa	Mason, Martin Wesley	Conn.
Martin, Julius Corpening	W Va	Mason, Robert Edited	D.C.
Martin, Jerome Daniel Martin, Julius Corpening Martin, Kenneth Albert Martin, Laura Evelyn	DC	B.S. 1046. The George Washington	
Martin, Lawrence Stephen Martin, Leyland Myers	D.C.	Mason, Martin Wesley Mason, Robert Elmer Mason, Shirley June B.S. 1046, The George Washington University M.S. 1948, University of Delaware Mason. William Ernest Masse, Marilyn Autrey A.B. 1944, Henderson, State Teachers	
Martin, Leyland Myers	Md.	M.S. 1948, University of Delaware	
B.S. 1934, University of Arkansas Martin, Major Thomas, Jr.		Mason, William Ernest	III.
Martin, Major Thomas, Jr.	Md.	Masse, Marilyn Autrey	Va.
Martin, Marjorie Martin, Mark Joseph	NH.	A.B. 1944, Henderson State Teachers College, Arkadelphia, Ark.	3
	Md. Va.	Masse, Samson	N.Y.
Martin, Mary Carolyn	D.C.	Massey, Frank Stanley	DC
Martin, Mary Kathryn	Va.	Massey, Jerome Louis	Va.
Anrtin, Mildred Alleen	Okla.	Massey, Joseph Frederick	D.C.
Martin, Paul Calvin	Pa.	Massey, Joseph Frederick Massey, Marvin Moore, Jr.	Va.
Martin, Paul Kyler	D.C. N.Y.	Massie, Cary Winston	Va.
Martin, reter J.	27.1.	Massie, Katie Garland	Va.
Martin, Marshall Alden, Jr. Martin, Mary Carolyn Martin, Mary Kathryn Martin, Maldred Alleen Martin, Paul Calvin Martin, Paul Kyler Martin, Peter J. Martin, Ralph Edward Martin, Richard Alfred Martin, Richard Alfred Martin, Richard Alton Martin, Robert Dean Martin, Robert Douglas	Maine Maine	B.S. 1935. State Teachers College, Farmville, Va.	
Martin, Richard Alton	Ohio	Massie, Minnie Reardon	W.Va.
Martin, Robert Dean	Calif.	A B 1023 Concord College	W. V.
	N.C.	A.B. 1933, Concord College Mastenbrook, Henry John	Ohio
B.S. 1947, East Carolina Teachers		B.S. 1942, Case School of Applied	
College		Science	
Martin, Robert Henry	Pa.	Masters, Marcelle C.	Ark.
Martin, Robert Laverne	Ala.	Masters, Margaret Ann	Pa
Martin, Rosa Irene	Va. D.C. N.C.	Masterson, Eleanor Elizabeth	Va. Pa.
Martin Watt Nicholan	D.C.	Mastic, Thomas Paul	D.C.
Martin, Thomas Archie Martin, Watt Nicholas Martin, William Bartlett Martin, William Francis	Ark.	Mastrone, Viola Virginia Mastropaslo, Salvatore	NI V
Martin, William Francis	D.C.	B.S. in Ed. 1940, College of the City of New York	14.1.
Martin, William Frederick, Jr. Martin, Zagorka Plausic	Va.	of New York	
Martin, Zagorka Plausic	D.C.	Masucci, Robert H.	D.C.
Martinelli, Leo	Md.	Matelski, Stanley Michael, Ir.	Va.
Martinelli, Patsy Joseph	D.C.	B.S. in Chem. E. 1941, Pennsylvani State College	a
Martinez, Ramon Paul	D.C.	State College	
Martini, Anthony Francis	Pa.	Matera, Ralph Joseph B.S. 1946, The George Washington	D.C.
A.B. 1948, The George Washington		B.S. 1946, The George Washington	
University		University	

Mates, Edward I.	N.Y.	May, Barbara	D.C.
A.B. 1939, Brooklyn College Mates, Ida Elaine		May, Garnett Hinshaw B.S. 1944, High Point College May, Patricia Ann A.B. 1945, A.M. 1946, Stanford	N.C.
Mates, Ida Élaine	D.C.	B.S. 1944, High Point College	
	Va.	May, Patricia Ann	Va.
Matheney, Elizabeth Rachel B.S. 1930, Radford College Matheny, Elizabeth Jane Matheny, Elizabeth Jane Matheny, Lula S. Mathers, Alex P. B.S. Alex P.		A.B. 1945, A.M. 1946, Stanford	
Matheny, Elizabeth Jane	Va.	University	3.6d.
Matheny, Grace Waddell	Va.	May, Roy Edgar May, Thomas James	Mass.
Mathers Alex D	Md.	May, Thomas James	D.C.
RS 1011 University of Florida	Va.	Maybec, John Stanley	16d.
B.S. 1931, University of Florida M.S. 1946, Tulane University Matheson, John Douglas		Mayberry, Lawrence Edgar	Maint
Matheson, John Douglas	Va.	Mayberry, Paul Raymond Mayeda, Tadashi Andrew	N.Y.
B.S. 1911. United States Military	y e	RS 1048 Hobert College	
B.S. 1933, United States Military		B.S. 1948, Hobart College Mayer, Fred Louis	D.C.
Mathews, Edward Kay	Ark.	Mayer, Joseph Henry	D.C.
Mathews, Georgina Hammond Mathias, Richard Bingham	Va.	A.B. 1030, University of Chicago	Calif.
Mathias, Richard Bingham	D.C.	A.B. 1939, University of Chicago Mayes, Basil Lamar	nC
Mathieson, Walter Whitman, Jr.		Mayheld, Thomas Fite	D.C.
Mathis, Irving	N.Y.	Mayland, Isabelle Dorland	
Mathis, Irving Mathis, William Lowrey B.S. in M.E. 1947, Duke Universit Mation, Frank C.	Tenn.	A.B. 1942, Florida State College	
Mation Frenk C	Minn	Women	erto Rico
Matlowsky, Bernice	Minn.	Maymi, Protasio Mayne, John Cleland A.B. 1948, Albion College	Mich.
A.B. 1947, A.M. 1948, Mount Holy	D.C.	Mayne, John Cleiand	
College	Office	A.B. 1948, Albion College Maynor, Leon DeWitt	365
Dr. Dr. L. L. R.	Iowa	Mayo Harold Emmet	D.C.
Matsumoto, Chizuko	DC	Mayo, Raid Dennis	Dit
Matsumoto, Chizuko Matthes, Chester Anthony Matthewa Charles Donald	D.C.	Mayo, Harold Emmett Mayo, Reid Dennis Mayoral, Jose Angel R. R. A. Jose Angel	erto Rabe
	Tex.	B.B.A. 1939, University of Puerto	
A.B. 1948, The George Washington		Rico	D.C.
University		Mayo, Wells Igan Olos	Die
Matthews, Doris Rounder	Tex.	A.B. 1026. Syracuse University	n.C.
A.B. 1948, The George Washington University		A.B. 1026. Syracuse University Mayo-Wells, Wilfrid James	D.C.
University	m.	Mays, Occar Kamsey	Vs.
Matthews, Edward Patrick, Jr.	Fla.	Mazel, Ida Adel	n.C.
Matthews, Loren Allen	Md.	Mazenderani, Abrahim Khajavi	Pa- Va-
A.B. 1940, Union College Matthews, Reynold Judson	DC.	Mazero, John Robert	Va
Matthews, Richard Moore		Mazza, Louis Francis	D.C.
Mattia, Louis Joseph	Md.	McAboy, Lyman Randolph Marylan	8 00
Mattimore, Walter Bernard	D.C. N.Y.	A.B. 1936, University of Marylan	D.C.
LL.B. 1947. The George Washington	2414.	McAllinger James Francis	Md.
LL.B. 1947, The George Washington University		McAllisses Sandra Margaret	Kans.
	NY.	McAlinden, John Michael McAllister, James Francis McAllister, Sandra Margaret McAmis, William Simpson	N. Marie
Mattingly, Anne Mathilde Mattingly, Evelyn Sarah Mattingly, Mary Theresa B.S. 1948, Wilson Teachers College Mattingly, Owen Franklin Mattingly, Thomas Ernest, Jr. A.B. 1948, The George Washington University	Md.	B.S. 1933, Kansas State College McAnallen, Frances Floria	261.
Mattingly, Evelyn Sarah	Va.	McAnallen, Frances Floria	Ark.
Mattingly, Mary Theresa	D.C.		-
B.S. 1948, Wilson Teachers College		A.B. 1945. The George Washington	
Mattingly, Owen Franklin	Md.	University	
Mattingly, Thomas Ernest, Jr.	Md.	McAuley, John Hoyt McAuliff, Rita Catherine	D.C.
A.B. 1948, The George Washington		McAuliff, Rita Catherine	Mahr.
	DO	McAuliffe, Clinton Earl B.S. 1942, United States Coast Gual	rd
Mattoz, Virginia Belle	DC.	B.S. 1942, United States Coast Coast	
Mattson, Arthur Richard Mattson, Helen Irene	D.C.	Academy	MARKET
A.B. 1943, The George Washington	D.C.	McAvoy, Philip James	D.C.
University		McBride, Daniel Arthur B.M.E. 1947; The George Washingt	gill and
Matulia, Florence Frances	N.J.	B.M.E. 1947, The George Water	20
Matulis, Florence Frances Matusic, Frank, Ir. Mauk, Wallace Hamilton	Pa	University Coolea	D.C.
Mauk, Wallace Hamilton	DC.	McBride, Willard Carlos B.S. 1948, University of Maryland	Kapl
Maupin, Dorothy Ray	DC.	B.S. 1948, University of	(200
Maupin, James Cary	Calif.	McBroom, Janice Koran	-1
Maupin, Dorothy Ray Maupin, James Cary Maurer, George Joseph Maurer, Herbert Maurice	Pa.	McBroom, Janice Koran McBurnett, Roe David, Jr. B.S. in E.E. 1944, Georgia School Technology	01
Maurer, Herbert Maurice	Calif.	Technology	Comm
Mauriello, Nicholas Michael	NJ. NY.	McCahe Thomas Robert	
Mauro, Louis Quarto	NY.	MCC. ADE, I DOMES TO LOUVETSILY	Minn.
Maury, Ann Henderson	Md.	McCaffrey, Elva	Wash.
Mavridis, Photios Adam Mawhood, Samuel Allen	Md.	McCain, Thurlow Doane	Ky.
Maxey, Henry Robert	Va. Va.	McCall, Barbara Ann	Fla.
Marson, Marjorie Lorene	D.C.	McCall, Bryant Franklin	Md.
Maxwell, Frederick Brooks, Jr.	Md.	McCain, Thurlow Doane McCall, Barbara Ann McCall, Barbara Ann McCall, Bryant Franklin McCall, Chester Hayden, Jr. McCall, Lloyd Newell	Va.
Maxwell, Raymond Carl, Jr.	Va.	McCall, Lloyd Newell	

M-C II II m			
McCalley, John Wallace	Calif.	McColloch, Charles Jack	Ga.
A.B. 1945, A.M. 1947, The George		McCollum, Oscar D., Jr.	Mo.
		A.B. 1943, University of Kansas Ci McComas, Earl W.	ty
McCallum, Maurice Duncan A.B. 1942, The George Washington University	Miss.	McComas, Earl W.	Calif.
A.B. 1942, The George Washington		B.S. 1916, University of California	
University		McComb, Archibald Howell, Jr.	N.J.
McCamy, Margaret Elizabeth A.B. 1933, New Jersey College for	N.J.	B.S. 1937, Webb Institute of Nava	1
A.B. 1933, New Jersey College for		Architecture	
		McComb, Margaret Smith	N.J.
McCann, Dorothy Patricia	D.C.		Fla.
McCann, Dorothy Patricia A.B. 1948, The George Washington		McConnell, Mary Alloe A.B. 1932, Hollins College McConnell, Henry James McConnell, John Aloysius McConnell, Richard D, McConnell, Russel Clair McCont. Cornellins Losenh	
University		McConnell, Henry James	III.
McCann, Mamie	Ky.	McConnell, John Aloysius	Va.
A.B. 1919, University of Kentucky	,	McConnell, Richard D.	Va.
McCann, Marcella McCann, Robert Thomas McCarron, John Daniel	D.C.	McConnell, Russel Clair	100
McCann, Robert Thomas	D.C.	McCool. Cornelius Joseph	₽a.
McCarron, John Daniel	N.J.	McCool, Cornelius Joseph McCord, Franklin Otto	LOW 2
B.S. 1948, Georgetown University McCart, James Wilson		McCockle Howard, Ir.	Pa.
McCart, James Wilson	Va.	McCormack Charles Goodsell	D.C.
McCarthy, Daniel Joseph	DC	McCormack, Charles Goodsell A.B. 1018, Drury College	- 101
McCarthy, Elizabeth Ann	D.C.	M.D. 1025, Washington University McCormack, Grace	
McCarthy, Eunice Mary	Mass.	McCormack Grace	Md.
A.B. 1048 Duke University	747 499.	A.B. 1941, University of Rochester McCormack, James Stanley, Jr.	
McCarthy, John Ernest McCarthy, John Robert McCarthy, Margaret Angela	DC.	McCormack, James Stanley, Jr.	Pa.
McCarthy, John Robert	Ohio	McCormick, Anna Moffatt	Va.
McCarthy Margaret Appela	Va.	McCormick, Edward Mack	Va.
McCarthy, Mary Ellen	D.C.	BC 1041 MS 1047 Kanasa State	V 01.
McCarthy, Ralph Eugene	D.C.	B.S. 1941, M.S. 1947, Kansas State Teachers College, Pittsburg	
McCartney Junius Acres	DC	McCormick, Ketty Lou	W.Va.
McCartney, Junius Acree McCartney, Theodore Robinson	III.	McCormick Shirley Viola	Ga.
B.F.A. 1948, School of the Art	141.	McCormick, Shirley Viola McCormick, William Carlyle	W.Va.
Institute of Chicago		A.B. 1038, University of West Virgin	W.Va.
McCarty Charles Donnie	D.C.	McCarley Pohert Edger	D.C.
McCarty, Charles Dennis	D.C.	McCoskey, Robert Edger McCown, William Dewell	D.C.
B.S. in M.E. 1941, Northeastern		A.B. 1941, The George Washington	D.C.
University		A.D. 1941, The George Washington	
LL.B. 1948, Boston University Law		University	37-
	Va.	McCoy, Marshall Leri McCoy, Thomas Raymond	Va.
McCarty, Jacqueline Logan		McCoy, Inomas Raymond	D.C.
McCauley, William D.	D.C. Pa.	McCrackan, Mary Lee	D.C.
McCausland, Stanley Lee B.S. 1948, Ursinus College McCawley, William Carson McCeney, Buchanan Houston, Jr, McCeney, Norman Francis	ra.	A.B. 1936, University of Richmond	Va.
McCarley William Carre	DC	McCracken, Kelly Thomas, Jr. McCrane, Thomas Joseph McCraw, Blanche	VA.
McCaper Bushanan Hausten In	D.C.	McCrane, I nomas Joseph	Pa.
McCeney, Buchanan Flouston, Jr.	D.C.	McCraw, Dianche	D.C.
A P sage The Coope Washington	D.C.	McCready, Doris Pearl	D.C. D.C. D.C. D.C.
A.B. 1948, The George Washington		McCreight, Charles Edward	D.C.
University McClain Edward E	DC	McCubbin, James Melvin	D.C.
McClain, Edward F.	D.C.	McCubbin, John Grayson McCubbin, William Parke	D.C.
McClanahan, Carl	D.C.	McCubbin, William Parke	D.C.
B.S. 1948, Georgetown University McClanahan, James Clifton	200	McCue, Ignatius Lawrence	D.C.
McClananan, James Clitton	Md.	McCue, John Stuart	N.Y.
McClary, Dillon Rymer	D.C.	McCulloch, John Kinsey	Ohio
A.B. 1911. University of Tennessee		McCullough, William Harrison	Md.
McClary, Houston Walter	Va.	McCune, Violet Kellogg	N.Y.
McCleary, Carroll J.	Md.	A.B. 1948, The George Washington	44.1.
McCleary, Edwin Lester	DC.	University	
McClellan, Ethel Shoemaker	Pa.	McCurdy, Jaynelen	D.C.
McClellan, William Alfred	Md.	McCushen Elban Care	
McClelland James Dahare		McCuskey, Elbert Scott	Ark.
McClelland, James Robert McClifford, Jimmie Pauline	D.C.	McCutchen, Sara Kennedy	D.C.
McClinord, Jimmie Pauline	Va.	McCutcheon, Sara Barbara	Md.
McClish, Borden Douglas	Va.	B.S. 1948, University of Maryland	
McCloskey, John Stevens	D.C.	McDade, James Wright	Tex.
McCloskey, Owen Thomas	Ohio	McDaniel, John Bennett	Md.
B.S. 1932, Ohio State University		B.E.E. 1946, University of Louisville	
McCloskey, Sylvester John	Pa.	McDaniel, Mildred Virginia	W.Va.
McCloughan, Patricia Lola	Mo.	McDaniels, James Ellis	Pa
McCloy, Edward	Iowa	McDermott, Delia Ethel	D.C.
B.S.C. 1940, M.B.A. 1947, State		McDermott Edward Park	
		McDermott, Edward Park B.S. in E.E. 1947. University of	Ark.
University of Iowa	D.C.	Arkansas	
McClure, Rex Clark	D.C.		777
B.S. 1949, University of Pennsylvania	00	McDermott, Jack Chipman	Tex.
McClurg, Laura Sherren	D.C.	McDermott, Norbert Coyne, Jr.	Pa
A.B. 1926, University of Washington		McDermott, Thomas Joseph	W.Va.

McDermott, William Thomas	Mass.	McGrail, Edward Hugh	N.J.
B.S. 1935. University of New Hampshire		A.B. 1941. St. Peter's College	
Hampshire		LL.B. 1948, Georgetown University	Maine
M.S. in Ed. 1936, Boston University		McGrail, Geraldine Gertrude	A £ 268.
McDevitt, John Newman	Mass	McGrath, Charles Joseph	N.Y.
McDill, Thomas A.B. 1948, Miami University	Ohio	McGrath, Daniel Gerard LL.B. 1920. St. John's University	
McDonald, Brian Thomas	I) C	LL.M. 1931, Brooklyn College	
McDonald, Donald Dean	D.C.	McGrath, Peggy Anne	Va.
McDonald, Evelyn Josephine	Iowa	McGraw, Arthur Keith	Va.
A.B. 1947, The George Washington	20	McGraw, Carrington Belt, Jr.	Va.
University		McGraw, Clinton Jackson, Jr.	Va. D.C.
McDonald, John Burke McDonald, Leona Eileen	DC	McGraw, Shirlie Ellen	Pa.
McDonald, Leona Eileen	Lowa	McGrew, William Michael McGrief, LaDonna Lee	1'1.
McDonald, Lynette	Conn.	McGrief, LaDonna Lee	nC.
McDonald, Oliver Gene	DC. DC NY.	McGuerty, Richard Thomas	14/19.
McDonough, John Joseph McDonough, Raymond John	1) (McGuigan, Francis Joseph McGuinness, George Dennis	D.C.
McDonough, Rita Sarah	Mass.	McGuire, Ethel Lucille	D.C.
McDonough, Russell Charles	Mont.	McGuire, James Jackson	DC.
McDonough, William R.	Mont.	McGuire, John Griscom	1. 1.
McDowell, Janet Beverly	DC.	McGuire, Kenneth James	D.C.
McDowell, Janet Beverly McDowell, Mildred Ann	D.C.	McGuice Palmh Inch	-
McDuffee, Lois June	13.	A.B. 1947. The George Washington	
McElrath, Miles Kenneth, Jr.	Conn.	University	Muine
McElroy. Anita Tillman	Kans.	McGuire, Ruth Evelyn	13
McElroy, Charles Raymond	Iowa	McGurrin, James Joseph, Jr.	DE.
McElroy, John Dale McElroy, John William	Okla	McHale, Robert Berger	
A.B. 1932, A.M. 1933, Harvard	V2.	McHaney, Joe Cornelius A.B. 1015, Agricultural and Mechani	cal
University		College of Texas	nc.
McEntee, John Cornelius	Md	McHugh, James Marshall	DC.
McEntire, Ferne Josephine	Idaho	McHugh, John Joseph	12.
McFadden, Douglas Howard	N. F.	McHugh, John Richard	DC.
McFadden, William Dodge	Md.	Malatana Bachal Catharina	- 0
M. Fall, Bryan Campbell	DC.	B.S. 1011. Columbia University	D.C.
McFarland, Barbara A.	Va.	McIntosh, James Florio McIntosh, Mary Forsythe	N. z .
McFarland, Frank A	V a	McIntosh, Mary Porsythe	
M. Farland Menedes Liberty	Wie	A.B. 1942, Albany State Teachers College, N. Y.	NY.
M Farland, Thomas James	DC.	M. I. al Dahan Arthur	Va.
M Far and Robert Norton B.S. 1025. United States Naval	Va.	McIntosh, Robert Arthur McIntyre, Carl Franklin	DC.
Academy		McIntyre, Ernest Richard	V4.
McFolin, Roy Lee	Tenn		
McGandy, Edward Lewis	Md	A.B. 1948, The George Washington	
McGann, Mariorie Louise	1)(Kans.
McGannon, William Arthur	Obio	McIntyre, Ioseph Alexander McIntyre, William G.	Mont Va.
McGannon, William Arthur McGavock, Martha Pierce	1.7	McIntyre, William G.	14.
B.S. in Ed. 1041. Madison College M. Geary, Harriet Ann			Minn
McGeary, Harriet Ann	DC.	B.S. 1916. Radford College	N
McGee, Charles Edward	111	McKay, Cameron Lawrence	DC.
B S.E. 1934. Northern Illinois State Feachers College		McKay, Fred James McKay, Joseph Patrick	F14.
McGee Hillis	1)(McKay Samuel Allison	11.15
	()\la.	McKay, Samuel Allison McKee, Kemper Sherwood	1,3
BS AM 1022 Oklahoma Account	ural.	McKee, Lauris Annette	Conn
B.S., A.M 1011, Oklahoma Armolt and Mechanical College		Mc Keehan, John Badger	11
M. Cihee, John Rutledge 1	Va.		NI Va.
McGhee, William Morrow	DC.	McKeever, Kenneth Francis	64.
A.B. 1947. The George Washington		McKeever, Kenneth Francis McKelway, Benjamin Mosby, Jt. B.S. in M.E. 1947, Lafayette Collect McKelway, William Prentisa McKelway, William Prentisa A.R. 1948, Washington and Los	D.C.
University		B.S. in M.E. 1947, Little	Div
M Gill. George	MJ.	A.B. 1943, Washington and Lot	
A.B. 1945, Furman University	DC		Ala.
McGinn. Francis H at	DC.	McKendrick, James Hendon	D.C.
McGinnis, Norman Francis, Jr McGinnis, Robert Allen	W. Va.	M. V. anna Mary Patricia	Md.
McGinniss, Florence Marie	DC.	McKentie, Lawson Morell The George	
McGirk, Donald Millard	Pa.	B.S. 1934, A.M. 1938, The George	Va.
McGivern, Patricia Louise	Pa.	McKentie, Lawson Morell B.S. 1034. A.M. 1038, The George Washington University	Va.
McGlashan Robert Charles	Calif.		Va.
A.B. 1016, University of California			D.C.
McGolrick, Joseph Edward	DC.	McKeown, Thomas Charles McKeown, William Leigh	D
McGonagle, Joseph David	Va.	McKeowa, William Leigh	

McKinley, Alfred Machell	D.C.	McNairy, Wyatt Donald	Conn.
McKinley, Francis McKinley, Thomas William McKinney, Kenneth Gordon McKinney, William McKittrick, Harry C.	Utah	B.S. 1943, Cornell University McNally, Marietta Bortz	-
McKinley, Thomas William	D.C.	McNally, Marietta Bortz	Pa.
McKinney, Kenneth Gordon	Md.	B.S. 1947. Temple University McNally, Marjorie Phellis McNally, Patronienne Isabel	Va.
McKinnie, William	N.D.	McNally, Marjorie Phenis	Va.
A.B. 1943, Park College McKnight, George William McKnight, Michael J. McKoan, Joan Patricia McLain, Edward Phillip	Kans.	McNally, Patronienne Isabet	Conn.
McKnight George William	Md.	McNamara, William Joseph McNamee, Gilbert Wilson McNamee, Patience E.	Va.
McKnight Michael I	D.C.	McNamee Patience E.	Nev.
McKoan, Joan Patricia	Tex.	A.B. 1044. Immaculate Heart College	е
McLain, Edward Phillip	D.C.	A.B. 1944, Immaculate Heart Colleg McNaney, William Edward	Md.
	D.C. D.C. D.C.	McNaughton, Joseph	(11110
McLaren, Margaret Campbell	D.C.		Md.
McLaughlin, Arthur Fllaworth	ND	A.B. 1042. The George Washington	
A.B. 1939, North Dakota State Coll- McLaughlin, Florence Westcott	ege Va.	University	D.C.
RS 1011 Mississ Cont	V 8.	McNeill, John Joseph McNelis, James Ralph	W.Va.
B.S. 1931, Michigan State Normal		McNemar Eilda Louise	Va.
McLaughlin, John Francis	Conn.	McNickle, John David McNickle, Thomas Francis McNiff, Philip Aloysius, Jr.	D.C.
A.B. 1944, Trinity College	Com.	McNickle, Thomas Francis	D.C.
A.B. 1944, Trinity College McLaughlin, Robert Hughes	Pa.	McNiff, Philip Aloysius, Jr.	N.Y.
McLaughlin, Russell L. McLaughlin, Virginia A.	Ind.	McNifl, Philip Aloysius, Jr. McNulty, Joseph John McNulty, Olive Ferne McNulty, Philip Lambert McNulty, Rose Marie McNutt, Richard Alexander McPhail, Harvey Franklin McPhail, John Finley, Jr. McPhail, Walter W. McPhee, Marvel Frances McPheson, Clara Alyce	Pa.
McLaughlin, Virginia A.	Md.	McNulty, Olive Ferne	D.C. D.C.
p.5. 1948, Catholic University of		McNulty, Philip Lambert	Ohio
America McLaughlin, William Francis	97	McNuity, Rose Marie	D.C.
A B soas Smarth and Callers	Va.	McNutt, Richard Inchange	D.C.
A.B. 1943, Swarthmore College McLastrin, Lillian Catherine	Miss.	McPhail John Finley, Ir.	Tenn.
A.B. 1937, LL.B. 1939, Vanderbilt	TAT 199'	McPhail, Walter W.	XII.
University		McPhee, Marvel Frances	D.C.
B.S. in L.S. 1941, Peabody Institute		McPherson, Clara Alyce	Nebr.
DI TRE CITY OF BUILDINGS		McPherson, James Willis	Ohio
McLaurin, Turner Sheppard	Miss.	McPherson, Trent Otho, Jr.	Iowa Pa.
B.S. 1945, Mississippi College	21.0	McPherson, James Willis McPherson, Trent Otho, Jr. McPhilimy, Harry Simpson, Jr. A.B. 1947. The George Washington	Fa.
McLean, Charles Graham	N.C.	University	
A.B. 1948, The George Washington University		McQueary, Dennis Everett McQueen, Robert Keith Weshington	D.C.
McLean, Evelyn Lane	Va.	McQueen, Robert Keith	Iowa
McLean, John Churchill	Ala.	A.B. 1944, The George Washington	
McLean, W. West	D.C.		
McLean, John Churchill McLean, W. West McLeer, Hilda Dorie	D.C. D.C.	University McQuie, Robert Glenn, Jr. McRae. John Edwin B.Ch.E. 1948, University of Detroit McRae. Luther Cecil A.B. 1937. M.S. in Ed. 1928, Duke	Ky.
McLees, John Skelton McLeod, William Earl	Ark.	McRae, John Edwin	Mich.
McLeod, William Earl	D.C	B.Ch.E. 1948, University of Detroit	Va.
McLoughlin, Christopher James	D.C. N.Y.	McKae, Luther Cecu	Va.
McLoughlin, Donald Keith	Mo.	University	
B.S. 1948, The George Washington	AVEO.	McRocy William Francis	Ga.
University		McRory, William Francis McSow, Clovis Fred	Okla.
McLynn, James Michael	D.C.	McSweeney, Charles Anderson	Colo.
McMahon, Homer Albert	Md.	A.B. 1940. University of Colorado	
McMahon, Kathryn Mary	N.Y.	McTiernan, Charles Edward	N.Y.
McMahon, Sara Ryan	D.C.	B.S. in E.E. 1941, University of	
McMahon, Thomas Anthony	N.Y.	Alabama	
McMahon, Sara Ryan McMahon, Thomas Anthony McMakin, William Howard	D.C.	McTiernan, Jeffrey	Va.
McManas, Jean	Wyo.	McTighe, Mary Elizabeth	D.C.
LL.B. 1940, LL.M. 1941, National		B.S. 1936, College of New Rochelle	D.C.
University Law School		McWhirt, Joseph Russell A.B. 1948, The George Washington	D.C.
McMann, Phyllis Maria Rebecca	Maine	University	
McMann, Robert Case	Va.	McWhorter, Harry Stanley	D.C.
McManus, Louise Kessler	D.C.	Mead, Lowell Dale	Va.
McMeel, John Wallace	Md.	Meador, Norword A.	W.Va.
McMillan, Robert Hampton McMullen, Thomas Richard	D.C.	B.S. in C.E. 1934, Virginia Military	
A B and The County	D.C.	Institute	-
A.B. 1946, The George Washington University		Meadows, Richard Carl Meadows, Waldene Hastings	D.C.
McMullen, William John	N.Y.		Wa.
McMurray, Cecil Robert	Md.	Means, Richard Oscar	Tenn.
McMurray, Delzell B.	Va.	Mears, John Stephen, Jr.	Ind.
McMurray, Hazel Albertine	S.C.	Mease, Josephine Ida	D.C.
McNabb, Gertrude Elliott	D.C.	Mechling, James Elliott	D.C.
A.B. 1947, The George Washington	D.C.	B.S. 1940, Haverford College Mechling, Mary Margaret	D.C.
University		Medic, Radmila Ilic	D.C.
			21.6.

Medina, Armando	D.C.	Merck, Mary Christine	D.C. D.C.
Medina, Armando Mechan, Robert Howard	Va.	Mercogliano, Charles Eugene Mercogliano, Victor Mario Mercurio, Elmer Louis Meredith, Ellis Edson	D.C.
Meeker, John Harbeck, Jr. A.B. 1940, Drew University	N.J.	Mercogliano, Victor Mario	Dic
A.B. 1940, Drew University		Mercurio, Elmer Louis	DC
Manhama Mariaria S	D.C.	Meredith, Ellis Edson	D.C.
A.B. 1927, University of Toronto Meekins, William Lawrence	22.63	A.B. 1947, University of Chicago Meredith, James Thomas	111.
Meekins, William Lawrence	NC.	Meredith, James I homas	N.Y.
Meese, Kenneth Jordan Megan, Frances Patricia A.B. 1041, University of Chicago	Md.	Merendino, John Jerome Merkel, Luther Daniel	ra.
Megan, Frances Patricia	111.	Market Many Wales	D.C.
M. 1941, University of Chicago	Pa	Merker, Mary Helen	N.J.
Megella, Ella Meggs, James Horace	Okla.	Merlino, Ralph James	Tex.
Mehbod, Ahmed	D.C.	Meroney, Louis Roy Meroney, Thomas Nelson	111.
A.B. 1916, A.M. 1937, University	D.C.	RS 1010 MS 1012 Kansas State	2
of Paris		B.S. 1930, M.S. 1932, Kansas State College of Agriculture and Applied	
Mehlhone, John Frederick	DC.	Science	p.C.
Mehlhope, John Frederick Mehlman, Benjamin	N.Y.	Merrell, Richard Yates	Ohla.
A.B. 1937, Brooklyn College Meier, Albin Richard		Merrell, Richard Yates Merrell, Robert Franklin	Okla. D.C.
Meier, Albin Richard	Md.	Mercell Virginia	Wash.
Meier, Frederick Peter	N.Y.	Merrett, Gladys May	94.0
Meier, Robert Willy	Va.	A.B. 1943, University of California	
Meier, William Edward	M. N.	at Los Angeles	Mich.
Meigs, Edward Douglas Meili, Shirley Jean	Ldabo	Marrick, Eleanor Congdon	-
Meili, Shirley Jean	Kana.	A.B. 1946, Radcliffe College	Va.
Meirowitz, Morris	D.C.	Merrifield, Marian Hansen	D.C.
Meiselman, Shenman Morton Meiselman, Sumner	Va.	Merrill, Nancy Elizabeth Merritt, Arthur Donald	Va.
B.S. in M.E. 1940, Worcester Poly-	4 40 .	Merritt, Earl Arthur	D.C.
technic Institute		Merritt, Everett Laverne	Va.
Meisels, Henry Leonard	D.C.	Merritt, Hobart Whitten	D.C.
Meinels, Milton	D.C.	Merry, Helen Virginia Lee	
A.B. 1938, University of Wisconsin		A.B. 1941, College of Wooster	D.C.
Meissher, Charles Robert	DC.	Merwin, John Chester	Cons.
Meisaner, Paul	D.C.	Merwin, John David	
	D.C. D.C. D.C. D.C.	Merry, Helen Virginia Lee A.B. 1941, College of Wooster Merwin, John Chester Merwin, John David B.S. 1943, Yale University Meryld, Marjorie Ann Mesher Samuel	Ohio
Mellen, Robert David	DC. DC.	Meryld, Marjorie Ann	N.Y.
Mellerup, Dewey William Mellinger, Harry Albert Mellington, Malcolm	DC.	TARCONCE! COMMANDE	D.C.
Mellinger, Harry Albert	Va. D.C. D.C. D.C.	Mesnard, Melvin L.	Siam
Mellington, Malcolm	D.C.	Mesommonta, Kanit B.S. 1937, Chutalongkorn University Messer, Barbara Loraine	Va.
Mellor, Carol Krause Mellor, John Edward	DC	Mesor Rarbara Loraina	Md.
A.B. 1942, The George Washington	۵.٠.	Messerly, Pauline May	Va. N.Y. D.C. N.Y.
University		Messerly, Pauline May Messick, Sarah Mapp	N.Y.
Melnick, Doria Reinhardt	DC.		D.C.
Melnick, Jack Lawrence	1.9	Mestesky, Estelle Ross	N.Y.
Meloe. Torleif	N.Y.	Mestesky, Estelle Rose Metalitz, Stanley A.B. 1939. College of the City of New York	
A.B. 1947, A.M. 1948, Columbia		A.B. 1939, College of the City	-0
University		New York	D.C.
Meloy, John Arthur	Md.	New York Metazatos, Jerry V. Metcalfe, Earle Ellsworth BS, 1951, M.D, 1955, Loyola Collet Metcalfe, Mildred Metcalfe, Mildred	D.C
Melrod, Miriam Kraemer	D.C.	Metcalle, Earle Elisworth Lovola Collet	D.C.
A.B. 1946, Connecticut College Melton, Caleb Wilson	NC	Manalfo Milder	Va.
Melton, Caleb Wilson	N.C	Mery Grace Elizabeth	N.Y.
Melton, Elizabeth Melvin, Flavell Bryan, Jr.	Va.	Metz Harold	
		A R 1047. Brooklyn College	Minn.
Melvin, Harry Davis Melvin, Herbert Clyde	1'-	Metcalle, Mildred Metz, Grace Elizabeth Metz, Harold A.B. 1947, Brooklyn College Metzerott, Kirk Oliver Metzger, Clyde Christian Decimal Penaglyania State College	Pa.
Melvin, Mary Louise	N.C. D.C.	Metzger, Clyde Christian B S. 1948, Pennsylvania State College Metzger, Heloise Michaelle Metzger, Heloise Michaelle Metzger, Joseph Francis Meuth, Geogeanna Meyer, Ardo Xanar Meyer, Bertha Marie Meyer, Charles Elizabeth	90.
Mencher, Jordan Ronald	1)(B S. 1948, Pennsylvania State	Pa. Va.
Mendelsohn, Sydney Henry	Pa N I	Metzger, Heloise Michaelle	Ky.
	NI	Metzger, Joseph Francis	Nebr.
Mendenhall, John Wilson	Ohio	Meuth, Geogeanna	Md.
Mendenhall, Margaret Herrilyn	Tex.	Meyer, Ardo Ashai	D.C.
Menefee, Karl Donald	DC.	Meyer, Dertila Marketh	Wis.
Mensh. Herbert	NY.	Meyer, Elmer Enhriam, Jr.	Wis. D.C. Vs. Tex.
Menter, Martin	14 8 .	Meyer, Hanny	Vs.
A.B. 1917. LL.B. 1919. Syracuse		Meyer, Leo Herbert	Tex.
Mercer, Hallie Nell	Tex.	Meyer, Lucille W.	Mass.
B.S. 1916, M.S. 1942, East Texas		Meyer, Bertha Marie Meyer, Charles Elizabeth Meyer, Elmer Ephriam, Jr. Meyer, Hanny Meyer, Lao Herbert Meyer, Lucille W. Meyer, Myrtle Isabelle B.S. 1043, Rhode Island State Colles	2 1/0
State Teachers College		Meyer, Myrtle Isabelle B.S. 1942, Rhode Island State Colles	Md.
Mercer Joseph Lackson, It	Ga	Meyer, Raver Henry	Ark.
A.B. 1948, Emery University			Man.
Merchant, Edward Joseph	D.C.	Meyer, William Frederick	

Meyer, Beverly Anne Meyer, Hugh Truman Meyerson, Herbert Meyer, Alvin Abraham A.B. 1940, Cornell University Methods, Irandol Hugh A.B. 1940, Cornell University Meyrowitz, Leon Meller, Edward David Meller, Andrew John Miller, Albert David Meller, Aller Da	Meyering, Catherine Cecelia	N.Y.	Milburn, Chester Franklin	3.6.2
Meyers, Beverly Anne Meyers, Herbert Mille, Adelbert Miller, Albert Miller, Herbert Miller, He	A.B. 1919. Seton Hill College	24.2.		Md.
Meyers, Janel Meyers, Janel Meyerson, Herbert Meyrowitz, Alvin Abraham A.B. 1940. Cornell University M.B.A. 1940. Cornell Univ	Meyers, Beverly Anne	S.D.		D.C.
Meyers, Hugh Truman Meyerson, Herbert Meyerowitz, Alvin Abraham A.B. 1904, Cornell University M.B.A. 1041, New York University M.B.A. 1041, Mark M.B. 1042, The George Washington University M.B.A. 1043, The George Washington University M.B.A. 1044, United States Naval A.B. 1043, The George Washington University M.B.A. 1044, United States Coast Guard Academy Michelen, Reward University M.B.A. 1043, The George Washington University M.B.A. 1044, United States Coast Guard Academy Mickler, Thomas Albert Midleton, Lawrence Alvin M.B. 1046, Connecticut College Midleton, Glenn Arthur Middleton, Glenn Arthur M	Meyers, Daniel	N.Y.	Miles, Edward Michael	Wash.
Meyrowitz, Ivving M.B.A. 1041, New York University M.B.A. 1042, New York University M.B.A. 1044, The George Washington University M.B.A. 1044, The George Washington University M.B.A. 1043, The George Washington University Miller, Carolyn Ann Miller, Christine Parkinson B.S. 1044, United States Coast Guidelton, Joseph Schriver Midletton, Lewron Calvin M.B. 1044, University M.B.A. 1044, United States Coast Guidelton, Joseph Schriver Midletton, Lewron Glare Miller, Grant William Wil	Meyers, Hugh Truman	D.C.	B.S. in E.E. 1930, University of	
A.B. 1940, Cornell University M.B.A. 1941, New York University Meyrowitz, Irving Meyrowitz, Leon Michael, Arnold Hugh Michael, Irving Michael, Edgar Michael, Edgar Michaels, Edgar Michaels, Kodyn Michaels, Rodyn Michaels, Rodyn Michaels, Rodyn Michaels, Malter C. B.S. 1944, The George Washington University Michaels, Levellyn Richard Michaels, Date College Michaels, Esther Cain B.S. 1940, United States Naval Academy Michels, Ruth Marie Michel, John Carl B.S. 1943, The George Washington Michelsen, Cleo Phylis Michelsen, Cleo Phylis Michelsen, Paul Frederick Michelson, Samuel Michelsen, Paul Frederick Michelson, Samuel Michelson, Fauline Edith Michelson, Arlene Joanne Michelson, Arlene Joanne Mickelson, Fank Ray Mickelson, Millam Whitary Middleton, Glenn Arthur Middleton, Millam Whitary Miller, Millam Senjamin Miller, Albert Miller, Ballen Howard Miller, Albert Miller, Ballen Howard Miller, Albert Miller, Ballen Howard Miller, Charles Reert Miller, Carolyn Ann Miller, Carolyn Ann Miller, Charles Reert Miller, Carolyn Ann Miller, Carolyn Ann Miller, Charles Reert Miller, Carolyn Ann Miller, Carolyn Ann Miller, Charles Reert Miller, Carolyn Ann Miller, Charles Reert Miller, Carolyn Ann Miller, Charles Reert Miller, Caro	Meyerson, Herbert			
M.B.A. 1041, New York University Meyrowitz, Irving Meyrowitz, Leon Michael, Irving D.C. Miller, Albert D.C. Miller, Albert D.C. Miller, Albert D.C. Miller, Albert D.C. Miller, Irving D.C. Miller, Caroline Parkinson D.C. Miller, Caroline Parkinson D.C. Miller, Charles Robert M.Y. Miller, Allers Sylvia Miller, Charles Robert M.Y. Miller, Dayle Nate D.C. Miller, Charles Robert M.Y. Miller, Elinora LaVerne Washington University Michael, D.C. Middleton, Samuel Michael, Raymond Marxin Middleton, Samuel Michael, Raymond Marxin Middleton, Faulh Raymond Marxin Middleton, Faulh Raymond Marxin Middleton, Glenn Arthur Middleton, Edward Duncan, Jr. B.S. 1046, Connecticut College Middleton, Glenn Arthur Middleton, Edward Duncan, Jr. B.S. 1046, Connecticut College Middleton, Glenn Arthur Middleton, Edward Duncan, Jr. B.S. 1046, Connecticut College Middleton, Oscaph Schriver D.C. Middleton, Dorch Schriver D.C. Middleton, Edward Duncan, Jr. B.S. 1042, St. John's University Miller, Harris College of the City of New York Law Miller, Harris College of the City of New York Law Miller, Harris Miller, Harris Miller, Harris Miller, Harris Miller, Harris Miller,	Meyrowitz, Alvin Abraham	Md.	LL.B. 1935 Columbia University	200
Meyrowitz, Irving Michael, Arnold Hugh Michael, Irving Michael, Irving Michael, Irving Michael, Edgar Michaels, Edgar Michaels, Roslyn Michaels, Roslyn Michaels, Roslyn Michaels, Walter C. B.S. in A.E. 1936, New York Michaels, Roslyn Michaels, Lewellyn Richard Michaels, Carly Michaels, Edward Michaels, Carly Michaels, Edward Michaels, Ruth Marie Michels, Ruth Marie Michelsen, Cleo Phyllis Michaels, Ruth Marie Michelsen, Cleo Phyllis Michaels, Ruth Marie Michelsen, Cleo Phyllis Michaels, Ruth Marie Michelsen, Paul Frederick Miller, Bouton Bainbridge A.B. 1945, The George Washington University Miller, Caroline Parkinson N.Y. Miller, Bouton Bainbridge A.B. 1945, Th	M.B. A 1044 Non-Verb Hairman		Miles, Kenneth Penie	D.C.
Michael, Irving D.C. Michael, Bernice D.C. Michaels, Edgar D.C. Michaels, Edgar D.C. Michaels, Edgar D.C. Michaels, Walter C. Michaels, Walter C. B.S. in A.E. 1936, New York University Michaels, Chot Carl B.S. in A.E. 1936, New York University Michaelson, Ruth G. A.B. 1944, The George Washington University Michelbach, Eather Cain B.S. 1940, United States Naval A.C. A.C. Michelitch, Herman John Michels, Ruth Marie Michels, Lether Cain B.S. 1943, The George Washington College Michelitch, Herman John Michels, Ruth Marie Michelson, Cleo Phyllis A.B. 1943, The George Washington University Michelson, Samuel Nichelson, Samuel Nichelson, Pauli Perderick Michelson, Faner Revirald Michelson, Faner Revirald Michelson, Pauli Perderick Michelson, Pau	Meyrowitz Invine	Md		VA.
Michael, Irving Michael, Jerrold Mark Michaelis, Edgar Michaels, Roslya Michaels, Walter C. B.S. in A.E. 1936, New York University Michaelson, Ruth G. A.B. 1944, The George Washington University Michelson, Barnice Michaels, Walter C. Gollege Michaels, Walter C. Miller, Milliam Benjamin Miller, Adelbert Ellsworth Miller, Alelbert Ellsworth Miller, Allebert Ellsworth Miller, Andrew John Miller, Andrew John Miller, Andrew John Miller, Andrew John Miller, Bernard Leo Miller, George Washington University Miller, Caroline Parkinson Bes. 1948, Tease George Washington University Miller, Caroline Parkinson Miller, Caroline Parkinson Miller, Caroline Parkinson Miller, Calorier Robert Miller, Mil	Meyrowitz, Leon			
Michael, Irving Michael, Irving D.C. Michaelis, Edgar D.C. Michaelis, Walter C. Michaelis, Walter C. B.S. in A.E. 1936, New York University Michaelon, Lewellyn Richard Michel, John Carl B.S. 1944, The George Washington University Michelel, John Carl B.S. 1940, United States Naval Academy Michelel, John Carl B.S. 1940, University Michelisch, Eather Cain B.S. in Ed. 1941, Mary Washington College Michelisch, Eather Cain Michelisch, Eather Cain B.S. 1943, The George Washington University Michelsen, Cleo Phyllis A.B. 1943, The George Washington University Michelsen, Cleo Phyllis A.B. 1943, University of Delaware Michelson, Samuel Mickelson, Arlene Joanne Mickelson, Prank Ray Mickelson, Prank Ray Mickelson, Prank Ray Middleton, Alenen Joanne Middleton, Edward Duncan, Jr. B.S. 1941, University of Delaware Middleton, Edward Duncan, Jr. B.S. 1942, University of Delaware Middleton, Edward Duncan, Jr. B.S. 1944, United States Coast Middleton, Glenn Arthur Middleton, Gl		D.C.		D.C
Michaels, Edgar Michaels, Roslyn Michaels, Roslyn Michaels, Walter C. Michaels, Maler C. Michaels, Maler C. Michaels, Maler C. Miller, Millon Benjamin Millon Benjamin Millon Benjamin Miller, Adelbert Ellsworth Miller, Alelbert Miller, Andrew John	Michael, Irving	D.C.	Miletich, Mathew John	D.C.
Michaels, Roalyn Michaels, Walter C. B.S. in A.E. 1936, New York University Michaelson, Ruth G. A.B. 1944, The George Washington University Michaud, Lewellyn Richard Michel, John Carl B.S. 1940, United States Naval Academy Michelbach, Eather Cain B.S. in Ed. 1941, Mary Washington College Michelitch, Herman John Michels, Ruth Marie Michels, Vern Edward Michels, Roalyn Ann Michels, Roalyn Ann Miller, Caroline Parkinson B.S. in 1943, The George Washington University Michelson, Samuel N.Y. Michelson, Samuel N.Y. Michelson, Frank Ray Mickelson, Frank Ray Mickelson, Frank Ray Mickelson, Frank Ray Mickelson, Pauline Edith Mickelson, Frank Ray Middleton, Royand Martin Mickelson, Frank Ray Middleton, Edward Duncan, Ir. B.S. 1944, University of Delaware Middleton, Edward Duncan, Ir. B.S. 1946, Connecticut College Middleton, Cleward Duncan, Ir. B.S. 1946, Connecticut College Middleton, Royan Mitth Benjamin Middleton, Norah Secombe A.B. 1940, Wash Miller, Adebert Ellworth Miller, Albert Howard Miller, Anher John Miller, Adebret Ellworth Miller, Albert Howard Miller, Anher John Miller, Carolin Parkinson University Miller, Carolyn Ann Miller, Charles Robert Miller, Carolyn Ann Mill	Michael, Jerrold Mark	D.C.	Mileur, Alfred Donald	Okla.
Michaels, Roalyn Michaels, Walter C. B.S. in A.E. 1936, New York University Michaelson, Ruth G. A.B. 1944, The George Washington University Michaud, Lewellyn Richard Michel, John Carl B.S. 1940, United States Naval Academy Michelbach, Eather Cain B.S. in Ed. 1941, Mary Washington College Michelitch, Herman John Michels, Ruth Marie Michels, Vern Edward Michels, Roalyn Ann Michels, Roalyn Ann Miller, Caroline Parkinson B.S. in 1943, The George Washington University Michelson, Samuel N.Y. Michelson, Samuel N.Y. Michelson, Frank Ray Mickelson, Frank Ray Mickelson, Frank Ray Mickelson, Frank Ray Mickelson, Pauline Edith Mickelson, Frank Ray Middleton, Royand Martin Mickelson, Frank Ray Middleton, Edward Duncan, Ir. B.S. 1944, University of Delaware Middleton, Edward Duncan, Ir. B.S. 1946, Connecticut College Middleton, Cleward Duncan, Ir. B.S. 1946, Connecticut College Middleton, Royan Mitth Benjamin Middleton, Norah Secombe A.B. 1940, Wash Miller, Adebert Ellworth Miller, Albert Howard Miller, Anher John Miller, Adebret Ellworth Miller, Albert Howard Miller, Anher John Miller, Carolin Parkinson University Miller, Carolyn Ann Miller, Charles Robert Miller, Carolyn Ann Mill	Michaelis, Edgar	D.C.	Miley, Catherine Louise	Md.
Milter, Gustave David B.S. in A.E. 1936, New York University Michaelson, Ruth G. A.B. 1944, The George Washington University Michaud, Lewellyn Richard Michel, John Carl B.S. 1940, United States Naval Academy Michelbach, Eather Cain B.S. in Ed. 1941, Mary Washington College Michelitch, Herman John Michels, Ruth Marie Michelson, Cleo Phylis A.B. 1943, The George Washington University Michelson, Samuel Michelson, Samuel N.Y. Michelson, Samuel N.Y. Michelson, Frank Ray Mickelson, Pauline Edith Mickelson, Frank Ray Mickelson, Pauline Edith Mickelson, Frank Ray Mickelson, Pauline Edith Midleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Glean Arthur Middleton, Lawrence Alvin Midd		D.C.	A.B. 1943, Trinity College	2.0
Miller, Albebert Ellsworth Michaelson, Ruth G. A. B. 1944, The George Washington University Michelson, Lewellyn Richard Michel, John Carl B.S. 1940, United States Naval Academy Michelbach, Eather Cain B.S. 1940, United States Naval Academy Michelbach, Eather Cain B.S. 1940, United States Naval Academy Michelson, Edward Michel, Edward Michels, Ruth Marie Michels, Venn Edward Michels, Venn Edward Michelson, Cleo Phyllis Michelson, Samuel Michelson, Samuel Michelson, Faul Frederick Michelson, Faul Frederick Michelson, Faul Frederick Michelson, Fank Ray Mickelson, Arlene Joanne Mickelson, Frank Ray Mickelson, Pauline Edith Mickler, Thomas Albert Mickleson, Pauline Edith Mickler, Thomas Albert Michelson, Frank Ray Middleton, Arlene Joanne Mickelson, Pauline Edith Mickler, Thomas Albert Mickelson, Milliam Wylie, Jr. B.S. 1944, United States Coast Guard Academy Middleton, Cloward Duncan, Jr. B.S. 1946, Connecticut College Middleton, Norah Secombe A.B. 1946, Connecticut College Middleton, Norah Secombe A.B. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1930, Virginia Military Institute Middleton, Norah Secombe A.B. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1934, Virginia Military Institute Middleton, Norah Secombe A.B. 1946, The George Washington University Miller, Albert Howard Miller, Andrew John Ny. Miller, Albert Howard Miller, Albert Howard Miller, Andrew John Ny. Miller, Betty Marie A. B. 1948, The George Washington University Miller, Caroline Parkinson University Miller, Caroline Parkinson University Miller, Caroline Parkinson University Miller, Caroline Parkinson Miller, Carolyn Ann Miller, Carolyn Ann Miller, Carolyn Ann Miller, Carolyn Ann Miller, Charles Robert N.Y. Miller, Charles Robert N.Y. Miller, Charles Robert N.Y. Miller, Albert Jeon Miller, Albert Jeon Miller, Andrew John N.Y. Miller, Albert Jeon Miller, Andrew John Miller, Albert Jeon Miller, Andrew John Miller, Andrew John Miller, Andrew John Miller, Carolyn Ann Miller, Carolyn Ann Miller, Carolyn And Miller, Antre	Michaels, Koslyn	D.C.	Milieit, William Denjamin	Mo.
Miller, Albebert Ellsworth Michaelson, Ruth G. A. B. 1944, The George Washington University Michelson, Lewellyn Richard Michel, John Carl B.S. 1940, United States Naval Academy Michelbach, Eather Cain B.S. 1940, United States Naval Academy Michelbach, Eather Cain B.S. 1940, United States Naval Academy Michelson, Edward Michel, Edward Michels, Ruth Marie Michels, Venn Edward Michels, Venn Edward Michelson, Cleo Phyllis Michelson, Samuel Michelson, Samuel Michelson, Faul Frederick Michelson, Faul Frederick Michelson, Faul Frederick Michelson, Fank Ray Mickelson, Arlene Joanne Mickelson, Frank Ray Mickelson, Pauline Edith Mickler, Thomas Albert Mickleson, Pauline Edith Mickler, Thomas Albert Michelson, Frank Ray Middleton, Arlene Joanne Mickelson, Pauline Edith Mickler, Thomas Albert Mickelson, Milliam Wylie, Jr. B.S. 1944, United States Coast Guard Academy Middleton, Cloward Duncan, Jr. B.S. 1946, Connecticut College Middleton, Norah Secombe A.B. 1946, Connecticut College Middleton, Norah Secombe A.B. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1930, Virginia Military Institute Middleton, Norah Secombe A.B. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1934, Virginia Military Institute Middleton, Norah Secombe A.B. 1946, The George Washington University Miller, Albert Howard Miller, Andrew John Ny. Miller, Albert Howard Miller, Albert Howard Miller, Andrew John Ny. Miller, Betty Marie A. B. 1948, The George Washington University Miller, Caroline Parkinson University Miller, Caroline Parkinson University Miller, Caroline Parkinson University Miller, Caroline Parkinson Miller, Carolyn Ann Miller, Carolyn Ann Miller, Carolyn Ann Miller, Carolyn Ann Miller, Charles Robert N.Y. Miller, Charles Robert N.Y. Miller, Charles Robert N.Y. Miller, Albert Jeon Miller, Albert Jeon Miller, Andrew John N.Y. Miller, Albert Jeon Miller, Andrew John Miller, Albert Jeon Miller, Andrew John Miller, Andrew John Miller, Andrew John Miller, Carolyn Ann Miller, Carolyn Ann Miller, Carolyn And Miller, Antre	RS in AF 1006 New York	MG.	Millan Milton Benjamin	D.C.
Michaelson, Ruth G. A. B. 1944. The George Washington University Michaeld, Lewellyn Richard Micheel, John Carl B.S. 1940. University Micheel, John Carl B.S. 1940. United States Naval Academy Michelbach, Esther Cain B.S. 1941. Mary Washington College Michelitch, Edward Michelitch, Herman John Michels, Ruth Marie Michels, Vern Edward Michels, Vern Edward Michels, Vern Edward Michels, Vern Edward Michels, The George Washington University Michelson, Cleo Phyllis A.B. 1943. The George Washington University Michelson, Samuel N.Y. Michelson, Samuel Michelson, Arlene Joanne Mickelson, Arlene Joanne Mickelson, Arlene Joanne Mickelson, Pauline Edith Mickelson, Pauline Edi				Md.
A.B. 1944. The George Washington University Michela, Lewellyn Richard Michel, John Carl B.S. 1940. United States Naval A.C. Academy Michelbach, Eather Cain B.S. 1940. United States Naval A.C. College Michelitch, Edward Michels, Ruth Marie Michels, Vern Edward Michelson, Cleo Phyllis Michelson, Samuel Michelson, Samuel Michelson, Samuel Michelson, Faul Frederick Michelson, Arlene Joanne Mickelson, Arlene Joanne Mickelson, Frank Ray Mickelson, Pauline Edith Mickelson, Pauline Middleton, Lawrence Alvia Miller, Carolyn Ann Miller, Carolyn Ann Miller, Charles Robert Miller, Elizabeth Jane Miller, Elizabeth Ja	Michaelson, Ruth G.	Mich.		
University Michaeld, Lewellyn Richard Micheel, John Carl B.S. 1940, United States Naval Academy Michelbach, Eather Cain B.S. in Ed. 1941, Mary Washington College Michelitch, Edward Michelitch, Edward Michelitch, Edward Michels, Ruth Marie Michelson, Cleo Phyllis A.B. 1943, The George Washington University Michelsen, Paul Frederick Michelson, Samuel Michini, Louis Joseph A.B. 1944, University of Delaware Mickelson, Arlene Joanne Mickelson, Pauline Edith Mickelson, Pauline Edith Mickelson, Pauline Edith Mickelson, Pauline Edith Middleton, Loward Duncan, Jr. B.S. 1944, University of Delaware Middleton, Glenn Arthur Middleton, Lawrence Alvin Middleton, Joseph Schriver Middleton, Joseph Schriver D.C. Middleton, Joseph Schriver Middleton, William Wyle, Jr. B.S. 1945, Virginia Military Institute Middleton, William Wyle, Jr. B.S. 1942, Virginia Military Institute Middleton, William Wyle, Jr. B.S. 1942, St. John's University Miler, Charles Robert Miller, Charles Robe	A.B. 1944, The George Washington		Miller, Allen Howard	
Michaud, Lewellyn Richard Michel, John Carl B.S. 1940, United States Naval Academy Michelbach, Eather Cain B.S. is Ed. 1941, Mary Washington College Michelitch, Herman John Michels, Ruth Marie Michels, Vern Edward Michels, Vern Edward Michelsen, Cleo Phyllis A.B. 1943, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Caroline Parkinson B.S. 1043, T	University		Miller, Andrew John	
Michels, John Carl B.S. 1940, United States Naval Academy Michelbach, Eather Cain B.S. in Ed. 1941, Mary Washington College Michelitch, Edward Michelitch, Herman John Michels, Ruth Marie Michels, Vern Edward Michels, Vern Edward Michels, Vern Edward Michels, Vern Edward Michels, Paul Frederick Michelson, Samuel Michelson, Samuel Michelson, Alen 1961 poanne Mickelson, Alen 1961 poanne Mickelson, Arlen Joanne Mickelson, Frank Ray Mickelson, Frank Ray Middlemas, Burton Yeager Middleton, Glenn Arthur Middlemas, Burton Yeager Middleton, Glenn Arthur Middleton, Glenn Arthur Middleton, Glenn Arthur Middleton, Joseph Schriver Middleton, Joseph Schriver Middleton, William Wylie, Jr. B.S. 1946, Connecticut College Middland, Marvin Gilbert Midland, Marvin Gilbert Midler, Bety Maric Miller, Bety Maric Mill	Michaud, Lewellyn Richard	D.C.	Miller, Ann Margaret	
Michelbach, Eather Cain B.S. in Ed. 1941, Mary Washington College Michelitch, Edward Michelitch, Herman John Michels, Ruth Marie Michels, Vern Edward Michels, Vern Edward Michels, Vern Edward Michels, Vern Edward Michels, Paul Frederick Michelsen, Paul Frederick Michelsen, Paul Frederick Michelsen, Paul Frederick Michelson, Samuel Michelson, Samuel Michelson, Alen Joann Mickelson, Alen Joann Mickelson, Arlen Joanne Mickelson, Arlen Joanne Mickelson, Pauline Edith Mickler, Thomas Albert Middlemas, Burton Yeager Middlemas, Burton Yeager Middleton, Edward Duncan, Jr. B.S. 1944, United States Coast Guard Academy Middleton, Glenn Arthur Middleton, Glenn Arthur Middleton, Joseph Schriver Middleton, Joseph Schriver Middleton, William Wylie, Jr. B.S. 1930, Virginia Military Institute Middleton, William Clair Micyley, William Clair Miguel, Geronimo Misuel, Geronimo Mika, John Isidore B.S. 1943, St. John's University Mikas, Isabelle Mary B.S. 1945, St. John's University Miller, Homer Ralph Miller, Hom		Va.		
Michelbach, Eather Cain B.S. in Ed. 1041, Mary Washington College Michelitch, Edward Michelitch, Herman John Michels, Ruth Marie Michels, Vern Edward Michels, Vern Edward Michelsen, Cleo Phyllis A.B. 1943, The George Washington University Michelsen, Samuel Michies, Daul Frederick Michelsen, Samuel Michies, Louis Joseph A.B. 1941, University of Delaware Michelson, Arlene Joanne Mickelson, Arlene Joanne Mickelson, Frank Ray Mickelson, Frank Ray Mickelson, Frank Ray Mickelson, Pauline Edith Mickler, Thomas Albert Middleton, Edward Duncan, Jr. B.S. 1944, United States Coast Guard Academy Middleton, Lawrence Alvin Middleton, Norah Seccombe A.B. 1946, Connecticut College Middleton, Marvin Gilbert Middleton, Marvin Gilbert Middleton, Marvin Gilbert Middleton, Seynol Milane Middleton, Geronimo Miguel, Geronimo Miguel, Geronimo Mispuel, Geronimo Miler, Herbert John, Jr. A.B. 1943, The George Washington University Miller, Carolyn Ann Miller, Carolyn Ann Miller, Christine H. B.S. 1940, Middle Tennessee State Miller, Christine H. B.S. 1942 Naw Jersey College Miller, Elizabeth Jane Miller, E			Miller, Betty Mane	D.C.
B.S. in Ed. 1041, Mary Washington College Michelitch, Edward Michels, Ruth Marie Michels, Ruth Marie Michels, Vern Edward Michels, Ruth Marie Michels, Ruth Marie Michels, Ruth Marie Michels, Ruth Marie Michels, Vern Edward Mont. Michels, Cleo Phyllia A.B. 1943, The George Washington University Miller, Caroline Parkinson University Miller, Caroline Parkinson University Miller, Caroline Parkinson University Miller, Caroline Parkinson University Miller, Charles Robert N.Y. Miller, Christine H. Miller, Charles Robert N.Y. Miller, Charles Robert N.Y. Miller, Charles Robert N.Y. Miller, Christine H. Miller, Christine H. Miller, Christine H. Miller, Christine H. Miller, Charles Robert N.Y. Miller, Charles Robert N.Y. Miller, Christine H. Miller, Christine	Michelbach Father Cain	Va		
College Michelitch, Edward Michelitch, Herman John Michels, Vern Edward Mont. D.C. Michelson, Cleo Phyllis Michelson, Samuel Miller, Carolyn Ann Mill	B.S. in Ed. 1041 Mary Washingto		Miller Boulton Bainbridge	711
Michelitch, Herman John Michels, Ruth Marie Michels, Vern Edward Michels, Vern Edward Michels, Vern Edward Michels, Leven Edward Mont. D.C. Miller, Caroline Parkinson B.S. 1043, The George Washington University Miller, Carolyn Ann Miller, Charles Robert Miller,	College		A.B. 1948. The George Washington	men.
Michels, Ruth Marie Michels, Vern Edward Michels, Vern Edward Michels, Vern Edward Michels, Vern Edward Michels, Cleo Phyllia A.B. 1943, The George Washington University Michelson, Paul Frederick Michelson, Samuel Michelson, Samuel Michelson, Samuel Michelson, Samuel Michelson, Paul Frederick Michelson, Fank Ray Mickelson, Fank Ray Mickelson, Fank Ray Mickelson, Pauline Edith Miller, Elizabeth Jane N.Y. A.B. 1945, New Jersey College for Washington University Miller, George William Miller, Ealine Sylvia N.Y. A.B. 1945, New Jersey College for Washington University Miller, George William Ohio Miller, Grant William Ohio Miller, Henry Stanford D.C. Miller, Henry Arnold A.B. 1945, The George Washington University Miller, Henry Stanford D.C. Miller, Henry Arnold A.B. 1945, The George Washington University Miller, Henry Arnold A.B. 1945, The George Washington University Miller, Henry Arnold A.B. 1945, The George Washington University Miller, Henry Stanford D.C. Miller, Henry Arnold A.B. 1945, The George Washington University Miller, Henry Arnold A.B. 1945, The George Washington Uni	Michelitch, Edward	Va.	University	
Michels, Vern Edward Michelsen, Cleo Phyllis A.B. 1943, The George Washington University Michelsen, Paul Frederick Michelsen, Samuel Michelsen, Paul Frederick Miller, Christine H. B.S. 1046, Middle Tennessee State College Miller, Christine H. B.S. 1046, Middle Tennessee State Miller, Learles M	Michelitch, Herman John	Va.	Miller, Caroline Parkinson	D.C.
Michelsen, Cleo Phyllis A.B. 1943, The George Washington University Michelsen, Paul Frederick Michelson, Samuel Michie, James Reginald Michie, Louis Joseph A.B. 1941, University of Delaware Michelson, Fank Ray Mickelson, Frank Ray Mickelson, Frank Ray Mickelson, Frank Ray Mickelson, Pauline Edith Mickelson, Pauline Edith Mickelson, Pauline Edith Mickelson, Pauline Edith Middlemas, Burton Yeager Middleton, Ldward Duncan, Jr. B.S. 1044, United States Coast Guard Academy Middleton, Glenn Arthur Middleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Norah Seccombe A.B. 1946, Texas Christian University Miller, George Elmer A.B. 1948, Texas Christian University Miller, George William Willer, George William Midleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, William Wylie, Jr. B.S. 1019, Virginia Military Institute Middland, Marvin Gilbert Midland, Marvin Gilbert Midland, Marvin Gilbert Midlen, Carlers Robert N.Y. Miller, Charles Robert N.Y. Miller, Calaco, Middle Tennessee State College Miller, Dayle Nate College Miller, Elinora LaVerne Miller, Carlot, Miller, Herser Sante College Miller, Dayle Nate College Miller, Dayle Nate Miller, Dayle Nate Note, Dayle, Nate Note, Dayle, Nate Note, Dayle Nate Note, Dayle, Nate Note, D	Michels, Ruth Marie	lows	B.S. 1943, The George Washington	
A.B. 1943, The George Washington University Michelsen, Paul Frederick Michelson, Samuel Michelson, Samuel Michelson, Samuel Michelson, Arlene Joanne Mickelson, Frank Ray Mickelson, Frank Ray Mickelson, Pauline Edith Mickler, Thomas Albert Mickelson, Pauline Edith Mickler, Thomas Albert Mickelson, Pauline Edith Mickler, Thomas Albert Maller, Elizabeth Jane Miller, Elizabeth Jane Miller, Elizabeth Jane Miller, Elizabeth Jane Miller, Felicia Mary A.B. 1943, New Jersey College for Washington University Miller, George Elmer A.B. 1946, A.M. 1948, The George Washington University Miller, George William Mylie, Jr. Middleton, Joseph Schriver Middleton, Joseph Schriver Middleton, Norah Seccombe A.B. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1939, Virginia Military Institute Middland, Marvin Gilbert Middleton, William Wylie, Jr. Miguel, Geronimo Miguel, Geronimo Miguel, Geronimo Mika, John Isidore B.S. 1042, St. John's University Miksa, Isabelle Mary B.S. 1046, Simmons College Milam, Robert Howard Milan, Robert Howard Milan, Dominick Loseph Milan, Dominick Loseph Milan, Dominick Loseph Milan, Robert Howard Milan, Dominick Loseph Milan, Robert Howard Milan, Ro	Michels, Vern Edward	Mont.	University	Y
University Michelson, Paul Frederick Michelson, Samuel Michelson, Samuel Michie, James Reginald Michini, Louis Joseph A.B. 1941, University of Delaware Mickelson, Raymond Martin Mickelson, Frank Ray Mickelson, Frank Ray Mickelson, Pauline Edith Middleton, Edward Duncan, Jr. B.S. 1044, United States Coast Guard Academy Middleton, Edward Duncan, Jr. B.S. 1044, United States Coast Guard Academy Middleton, Glenn Arthur Middleton, Loseph Schriver Middleton, Loseph Schriver Middleton, Loseph Schriver Middleton, William Mylie, Jr. B.S. 1030, Virginia Military Institute Midland, Marvin Gilbert Miguel, Geronimo Miguel, Geronimo Mika, Iohn Isidore B.S. 1042, St. John's University Mikus. Isabelle Mary B.S. 1042, St. John's University Mikus. Isabelle Mary B.S. 1046, Middle Tennessee State College Miller, Daylo Nate College Miller, Daylo Nate College Miller, Daylo Nate Miller, Elizabeth Jane N.Y. Miller, Elizabeth Jane N.Y. Miller, Elizabeth Jane N.Y. A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Geral Joseph D.C. Miller, Helpert John, Jr. A.B. 1948, Texas Christian University Miller, Geral Joseph D.C. Miller, Helpert John, Jr. A.B. 1948, Texas Christian University Miller, Geral Joseph D.C. Miller, Helpert John, Jr. A.B. 1948, Texas Christian University Miller, Geral Joseph D.C. Miller, Helpert John, Jr. A.B. 1948, Texas Christian University Miller, Geral Joseph D.C. Miller, Helpert John, Jr. A.B. 1948, Texas Christian University Miller, Geral Joseph D.C. Miller, Helpert John, Jr. A.B. 1948, Texas Christian University Miller, Geral Joseph D.C. Miller, Helpert John, Jr. A.B. 1948, Texas Christian University Miller, Geral Joseph	A R 1048 The George Washington	D.C.	Miller, Carolyn Ann	N A TOMT
Michelsen, Paul Frederick Michelson, Samuel Michie, James Reginald Michie, James Reginald Michie, James Reginald Michie, Jouis Joseph A.B. 1941, University of Delaware Michols, Raymond Martin Mickleson, Arlene Joanne Mickelson, Frank Ray Mickelson, Fauline Edith Mickleson, Pauline Edith Mickleson, Pauline Edith Middleton, Davide Duncan, Jr. B.S. 1944, United States Coast Guard Academy Middleton, Edward Duncan, Jr. B.S. 1944, United States Coast Guard Academy Middleton, Glenn Arthur Middleton, Oseph Schriver Middleton, Joseph Schriver Middleton, Lawrence Alvin Middleton, William Wylie, Jr. B.S. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1949, Virginia Military Institute Middland, Marvin Gilbert Middleton, William Glair Mifflin, Catherine Anne Miguel, Geronimo Miguel, Geronimo Mika, John Isidore B.S. 1942, St. John's University Mikus. Isabelle Mary B.S. 1945, Simmons College Milam, Robert Howard Milan, Robert Howard Milan, Dominick Loseph Milan, Dominick Loseph Milan, Dominick Loseph Milan, Dominick Loseph Milan, Robert Howard Milano, Dominick Loseph	Iniversity		Miller Christine H	DC
A.B. 1941, University of Delaware Michols, Raymond Martin Mickelson, Arlene Joanne Wish Mickelson, Arlene Joanne Wash Mickelson, Frank Ray Va. Mickelson, Pauline Edith Mickler, Thomas Albert Pa. Middlemas, Burton Yeager Tenn. Middlenon, Edward Duncan, Jr. D.C. B.S. 1044, United States Coast Guard Academy Middleton, Glenn Arthur D.C. Middleton, Joseph Schriver D.C. Middleton, Joseph Schriver D.C. Midler, George Ellmer A.B. 1946, The George Washington University Miller, George William Willer, Helen Meibert D.C. Miller, Helen Meibert Midland, Marvin Gilbert Washington College Midleron, William Wylie, Jr. B.S. 1030, Virginia Military Institute Midland, Marvin Gilbert William Wylie, Jr. B.S. 1030, Virginia Military Institute Midland, Marvin Gilbert Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washingt	Michelsen, Paul Frederick	D.C.	B.S. 1940. Middle Tennessee State	D.C.
A.B. 1941, University of Delaware Michols, Raymond Martin Mickelson, Arlene Joanne Wish Mickelson, Arlene Joanne Wash Mickelson, Frank Ray Va. Mickelson, Pauline Edith Mickler, Thomas Albert Pa. Middlemas, Burton Yeager Tenn. Middlenon, Edward Duncan, Jr. D.C. B.S. 1044, United States Coast Guard Academy Middleton, Glenn Arthur D.C. Middleton, Joseph Schriver D.C. Middleton, Joseph Schriver D.C. Midler, George Ellmer A.B. 1946, The George Washington University Miller, George William Willer, Helen Meibert D.C. Miller, Helen Meibert Midland, Marvin Gilbert Washington College Midleron, William Wylie, Jr. B.S. 1030, Virginia Military Institute Midland, Marvin Gilbert William Wylie, Jr. B.S. 1030, Virginia Military Institute Midland, Marvin Gilbert Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washingt		N.Y.		
A.B. 1941, University of Delaware Michols, Raymond Martin Mickelson, Arlene Joanne Wish Mickelson, Arlene Joanne Wash Mickelson, Frank Ray Va. Mickelson, Pauline Edith Mickler, Thomas Albert Pa. Middlemas, Burton Yeager Tenn. Middlenon, Edward Duncan, Jr. D.C. B.S. 1044, United States Coast Guard Academy Middleton, Glenn Arthur D.C. Middleton, Joseph Schriver D.C. Middleton, Joseph Schriver D.C. Midler, George Ellmer A.B. 1946, The George Washington University Miller, George William Willer, Helen Meibert D.C. Miller, Helen Meibert Midland, Marvin Gilbert Washington College Midleron, William Wylie, Jr. B.S. 1030, Virginia Military Institute Midland, Marvin Gilbert William Wylie, Jr. B.S. 1030, Virginia Military Institute Midland, Marvin Gilbert Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington University Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washington College Miller, Herbert John, Jr. A.B. 1948, The George Washingt	Michie, James Reginald .	D.C.	Miller Davie Nate	D.C.
Mickelson, Arlene Joanne Mickelson, Frank Ray Mickelson, Pauline Edith Mickler, Thomas Albert Middlemas, Burton Yeager Midler, George Elmer A.B. 1946, A.M. 1948, The George Washington University Miller, George Elmer A.B. 1946, A.M. 1946, The George Washington University Miller, George Washington University Miller, George William Miller, George Washington Miller, George William Mil	Michini, Louis Joseph	Del.	Miller Edaine Sylvia	N.Y.
Mickelson, Arlene Joanne Mickelson, Frank Ray Mickelson, Pauline Edith Mickelson, Pauline D.C. Midleron, Boseph Schriver Midleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Lawrence Alvin Midleron, George Elmer A.B. 1948, Texas Christian University Miller, George Elmer A.B. 1948, Texas Christian University Miller, George Washington Miller, Hein Meibert Miller, Herbert John, Jr. A.B. 1948, Treas Christian University Miller, George Washington Miller, George Washing	Mishels Paymond Martin	Willia.	Miller, Elinora La Verne	
Mickelson, Pauline Edith Mickleson, Pauline Edith Miller, Felicia Mary A.B. 1946, A.M. 1948, The George Washington University Miller, George Elmer A.B. 1948, Texas Christian University Miller, George Elmer Washington University Miller, George University Waller, George William Waller	Mickelson Arlene Joanne		Miller, Extrapeth Jame	N.Y.
Guard Academy Middleton, Glenn Arthur Middleton, Glenn Arthur Middleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Norah Seccombe A.B. 1946, Texas Christian University Miller, George William Willer, Glen Gaylord Miller, Helen Meibert Miller, Helen Meibert Miller, Helen Meibert Miller, Henry Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Glen Gaylord Miller, Helen Meibert Miller, Helen Meibert Miller, Henry Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Glen Gaylord Miller, Helen Meibert Miller, Herny Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Helen Meibert Miller, Herbert John, Jr. Miller, Herman P. N.Y. B.S. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Geral William Va. Miller, Helen Meibert Miller, Herbert John, Jr. Mille	Mickelson, Frank Ray	Va	Wassers College for	
Guard Academy Middleton, Glenn Arthur Middleton, Glenn Arthur Middleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Norah Seccombe A.B. 1946, Texas Christian University Miller, George William Willer, Glen Gaylord Miller, Helen Meibert Miller, Helen Meibert Miller, Helen Meibert Miller, Henry Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Glen Gaylord Miller, Helen Meibert Miller, Helen Meibert Miller, Henry Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Glen Gaylord Miller, Helen Meibert Miller, Herny Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Helen Meibert Miller, Herbert John, Jr. Miller, Herman P. N.Y. B.S. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Geral William Va. Miller, Helen Meibert Miller, Herbert John, Jr. Mille	Mickelson, Pauline Edith	Wash,		DC
Guard Academy Middleton, Glenn Arthur Middleton, Glenn Arthur Middleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Norah Seccombe A.B. 1946, Texas Christian University Miller, George William Willer, Glen Gaylord Miller, Helen Meibert Miller, Helen Meibert Miller, Helen Meibert Miller, Henry Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Glen Gaylord Miller, Helen Meibert Miller, Helen Meibert Miller, Henry Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Glen Gaylord Miller, Helen Meibert Miller, Herny Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Helen Meibert Miller, Herbert John, Jr. Miller, Herman P. N.Y. B.S. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Geral William Va. Miller, Helen Meibert Miller, Herbert John, Jr. Mille	Mickler, Thomas Albert	Pa.		D.C.
Guard Academy Middleton, Glenn Arthur Middleton, Glenn Arthur Middleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Norah Seccombe A.B. 1946, Texas Christian University Miller, George William Willer, Glen Gaylord Miller, Helen Meibert Miller, Helen Meibert Miller, Helen Meibert Miller, Henry Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Glen Gaylord Miller, Helen Meibert Miller, Helen Meibert Miller, Henry Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Glen Gaylord Miller, Helen Meibert Miller, Herny Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Helen Meibert Miller, Herbert John, Jr. Miller, Herman P. N.Y. B.S. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Geral William Va. Miller, Helen Meibert Miller, Herbert John, Jr. Mille	Middlemas, Burton Yeager		Washington University	
Guard Academy Middleton, Glenn Arthur Middleton, Glenn Arthur Middleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Norah Seccombe A.B. 1946, Texas Christian University Miller, George William Willer, Glen Gaylord Miller, Helen Meibert Miller, Helen Meibert Miller, Helen Meibert Miller, Henry Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Glen Gaylord Miller, Helen Meibert Miller, Helen Meibert Miller, Henry Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Glen Gaylord Miller, Helen Meibert Miller, Herny Arnold A.B. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Helen Meibert Miller, Herbert John, Jr. Miller, Herman P. N.Y. B.S. 1948, Texas Christian University Miller, Gerald Joseph D.C. Miller, Geral William Va. Miller, Helen Meibert Miller, Herbert John, Jr. Mille	Middleton, Edward Duncan, Jr.	D.C.	Miller, George Elmer	Tenn.
Middleton, Joseph Schriver Middleton, Lawrence Alvin Middleton, Lawrence Alvin Middleton, Doch Schriver Middleton, Doch Schriver Middleton, Doch Schriver Middleton, Doch Schriver Middleton, Dorah Seccombe A.B. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1939, Virginia Military Institute Midland, Marvin Gilbert Midland, Marvin Gilbert Mifflin, Catherine Anne Mifflin, Catherine Anne Mifflin, Catherine Anne Migdol, David Miguel, Geronimo Miguel, Geronimo Miglan, Dobrin Schriver B.S. 1942, St. John's University Mikus, Isabelle Mary B.S. 1942, College of the City of New York Miller, Howell Douglas D.C. Miller, Grant William Willer, Harry Stanford Miller, Herny Arnold A.B. 1942, Mary Washington College Miller, Herbert John, Jr. Miller, Herbert John, Jr. Miller, Herbert John, Jr. Miller, Herman P. B.S. 1942, College of the City of New York Miller, Howell Douglas D.C. Miller, Howell Douglas D.C. Miller, Howell College of Texas	B.S. 1944, United States Coast		A.B. 1948, Texas Christian Universi	ty
A.B. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1949, Virginia Military Institute Midland, Marvin Gilbert Mieller, Henry Arnold A.B. 1941, Indiana Central College Miller, Herbert J. Mil	Guard Academy	DC	Miller, George William	
A.B. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1949, Virginia Military Institute Midland, Marvin Gilbert Mieller, Henry Arnold A.B. 1941, Indiana Central College Miller, Herbert J. Mil	Middleton, Glenn Arthur	D.C.		D.C.
A.B. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1949, Virginia Military Institute Midland, Marvin Gilbert Mieller, Henry Arnold A.B. 1941, Indiana Central College Miller, Herbert J. Mil	Middleton Lawrence Alvin	Md.		Calif.
A.B. 1946, Connecticut College Middleton, William Wylie, Jr. B.S. 1949, Virginia Military Institute Midland, Marvin Gilbert Mieller, Henry Arnold A.B. 1941, Indiana Central College Miller, Herbert J. Mil	Middleton Norsh Seccombe	D.C.	Willer Harry Steefand	Va.
B.S. 1919, Virginia Military Institute Midland, Marvin Gilbert Midland, Marvin Gilbert Miceley, William Clair Migdol, David Migdol, David D.C. Miguel, Geronimo Wia, John Isidore B.S. 1942, St. John's University Mikus, Isabelle Mary B.S. 1946, Simmons College Millam, Robert Howard Millam, Robert Howard Millam, Robert Howard Millam, Robert More Raph Miller, Homer Ralph Miller, Homer Ralph Miller, Homer Ralph Miller, Howell Douglas D.C. Miller, Herbert John, Jr. Miller, Herbert John,		2.0.		
B.S. 1919, Virginia Military Institute Midland, Marvin Gilbert Midland, Marvin Gilbert Miceley, William Clair Migdol, David Migdol, David D.C. Miguel, Geronimo Wia, John Isidore B.S. 1942, St. John's University Mikus, Isabelle Mary B.S. 1946, Simmons College Millam, Robert Howard Millam, Robert Howard Millam, Robert Howard Millam, Robert More Raph Miller, Homer Ralph Miller, Homer Ralph Miller, Homer Ralph Miller, Howell Douglas D.C. Miller, Herbert John, Jr. Miller, Herbert John,	Middleton, William Wylie, Ir.	Va.		MO.
Midland, Marvin Gilbert Micvley, William Clair Mifflin, Catherine Anne Migdol, David Miguel, Geronimo Mikal, John Isidore B.S. 1942, St. John's University Mikus, Isabelle Mary B.S. 1946, Simmons College Milam, Robert Howard Milan, Dominick Loseph Milan, Dominick Loseph Milan, Robert Howard D.C. Millen, Horer Ralph Miller, Howell Douglas D.V. M. 1941, Indiana Central College Miller, Herbert John, Jr. Mille			Miller Henry Arnold	
Mifflin, Catherine Anne Migdol, David Miguel, Geronimo Mikal, John Isidore B.S. 1042, St. John's University Mikus. Isabelle Mary B.S. 1046, Simmons College Milan, Robert Howard Minn. D.C. Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herman P. N.Y. B.S.S. 1942, College of the City of Miller, Homer Ralph Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John, Jr. A.B. 1948, The George Washington University Miller, Herbert John John John John John John John John	Midland, Marvin Gilbert	III.	A.B. 1941, Indiana Central College	A IPAL.
Mikal, John Joseph Mika, John Isidore B.S. 1942, St. John's University Mikus, Isabelle Mary B.S. 1946, Simmons College Milam, Robert Howard Milan, Dominick Joseph D.C. Milan, Dominick Joseph Milan, Agricultural and McL. McLanda Joseph Milan, Herman P. Miller, Herman P. B.S.S. 1942, College of the City of Miller, Howell Douglas D.C. Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard D.C. Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard D.C. Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard D.C. Milan, Robert Howard Milan, Mil	Mievley, William Clair	Va.	Miller, Herbert J.	Ohio
Mikal, John Joseph Mika, John Isidore B.S. 1942, St. John's University Mikus, Isabelle Mary B.S. 1946, Simmons College Milam, Robert Howard Milan, Dominick Joseph D.C. Milan, Dominick Joseph Milan, Agricultural and McL. McLanda Joseph Milan, Herman P. Miller, Herman P. B.S.S. 1942, College of the City of Miller, Howell Douglas D.C. Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard D.C. Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard D.C. Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard D.C. Milan, Robert Howard Milan, Mil	Mifflin, Catherine Anne	D.C.	Miller, Herbert John, Jr.	Minn.
Mikal, John Joseph Mika, John Isidore B.S. 1942, St. John's University Mikus, Isabelle Mary B.S. 1946, Simmons College Milam, Robert Howard Milan, Dominick Joseph D.C. Milan, Dominick Joseph Milan, Agricultural and McL. McLanda Joseph Milan, Herman P. Miller, Herman P. B.S.S. 1942, College of the City of Miller, Howell Douglas D.C. Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard D.C. Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard D.C. Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard Milan, Robert Howard D.C. Milan, Robert Howard Milan, Mil	Migdol, David	D.C.	A.B. 1948, The George Washington	
Milam, Robert Howard D.C. D.V.M. 1941, Agricultural and Milano, Dominick loseph N.Y. Mechanical College of Texas	Miguel, Geronimo	Va.	University	20
Milam, Robert Howard D.C. D.V.M. 1941, Agricultural and Milano, Dominick loseph N.Y. Mechanical College of Texas	Mike John Joseph	N V	RSS ross College of the City of	Va.
Milam, Robert Howard D.C. D.V.M. 1941, Agricultural and Milano, Dominick loseph N.Y. Mechanical College of Texas	RS 1042 St John's University	14.1.	New York	
Milam, Robert Howard D.C. D.V.M. 1941, Agricultural and Milano, Dominick loseph N.Y. Mechanical College of Texas	Mikus Isabelle Mary	D.C.	Miller, Homer Ralph	Ma
Milam, Robert Howard Milano, Dominick Joseph Milazzo, Valentine Charles Milbourn, Louise R.D.H. 1946, Columbia University D.C. Miller, Jean Agnes D.C. Miller, Jean Robert Md. Miller, Jean Agnes D.C. Miller, Jean Robert Md. Miller, Jean Agnes D.C. Miller, Jean Robert Md. Miller, Jean Agnes D.C. Willer, Jean Robert Md. Miller, Jean Agnes D.C. Willer, Jean Robert Va.	B.S. 1046. Simmons College	2.01	Miller, Howell Douglas	-
Milano, Dominick Joseph Milazzo, Valentine Charles Milbourn, Louise R.D.H. 1946, Columbia University Mechanical College of Texas Miller, James Robert D.C. Miller, James Robert Miller, Jenne Rock Miller, Jennie Rock Miller, Jennie Rock	Wilam, Robert Howard	D.C.	D.V.M. 1941, Agricultural and	2101
Milazzo, Valentine Charles Milbourn, Louise R.D.H. 1946, Columbia University D.C. Miller, James Robert D.C. Miller, Jean Agnes Miller, Jennie Rock Va.	Milano, Dominick Joseph	N.Y.	Mechanical College of Texas	
Milbourn, Louise D.C. Miller, Jean Agnes D.C. Miller, Jennie Rock Va.	Milazzo, Valentine Charles	D.C.	Miller, James Robert	Md.
K.D.M. 1940, Columbia University Miller, Jennie Rock Va.	Milbourn, Louise	D.C.	Miller, Jean Agnes	
	K.D.H. 1946, Columbia University		Miller, Jennie Rock	Va.

nett 7 to Alexander	D.C.	Millis, Hugh Lowell, Jr.	Te
Miller, John Alexander Miller, John Charles B.S. in Ed. 1948, Oswego State	Va.	RS in F.F. 1045 Southern	
RS in Ed 1048. Oswero State		Methodist University	
leachers College, N. E.	22.25	M.S. in E.E. 1947, University of	
Miller, Joseph Sheldon Miller, Keith High	N.Y.	Texas Miliman, Max Roland	N.
Miller, Keith High	Md. Okla.	B.S. 1017. College of the City of	
Miller, Keneth Ward B.S. in E.E. 1940, University of	Chia.	B.S. 1937, College of the City of New York	D.C
Okiahoma		Millner, Elliott	10.0
Miller, LaVerne Sayre	Fla.	A.B. 1948, The George Washington	
Miller, Lawrence H.	D.C	University	D.C
Miller Leland Henry	Calif.	Mills, Annie Louise Mills, Barbara Elizabeth	D.C
A.B. 1942, State College of		Mills, Carl	M
Washington	W.Va.	Mills, Clara Paige	N.
Miller, Lewis Baruch	Va.	Mills George F.	N.Y
Miller, Lowry Morton A.B. 1948, University of California	Va.	Mills, Geraldine Harmon	
A.B. 1948, University of California		College N V	
at Los Angeles	111	B.S. 1941, Buffalo State Teachers College, N.Y A.M. in Ed., Columbia University Mills. J. Warner III	V
Miller, Lynn Harry	Mass.	Milla, J. Warner III	V.
Miller, Maurice Myles Miller, Maurice Myles Washington	Va	Mills, James Roy, Jr.	
A.B. 1948, The George Washington		LL.B. 1937, DePaul University	V.
University	773	Mills, John Everett	D.0
Miller, Melvin Eugene	D.C.	Mills, James Roy, Jr. LL.B. 1937, DePaul University Mills, John Everett Mills, Katharine Jayne Mills, Mary Barbara P. S. Sarde, University of Pittsburgh	D.C
Miller, Norman Richard	La.	B.S. 1940, University of Pittsburgh M.S. 1941, The George Washington	
Miller, Otin Columbus	Mass.	M.S. 1941, The George Washington	42
A.B. 1948, The George Washington University Miller, Melvin Eugene Miller, Norman Richard Miller, Olin Columbus Miller, Patricia Adele Miller, Paula Miller, R. A.	D.C D.C	University	D.C
Miller, Paula	D.C	Mills, Ruth Elizabeth Mills, Shirley Nickerson	Pi
Miller, R. A.	Tex. Pa.	Millson Kaith Duane	8.
Miller, R. A. Miller, Rachel Croft Miller, Ralph G.	Md.	A.B. 1948, Grove City College	31
Miller, Kalph G.	Pa.	Miles John Francis	
Miller, Ralph Jewart Miller, Ray Lambert	Va.	A D Dertmouth College	06
B.S. 1936, Northwest Missouri Stat	0	A M. 1012, Columbia Cultural	D.C N.Y
Teachers College		Milto, William Edward Minasian, George	Ne
Miller Dauben	Mass.	Minney Vous Howard	
Miller, Richard Bellum A.B. 1948, University of Maryland	D.C	A.B. 1037. University	D.C.
A.B. 1948, University of Intarytand	D.C.	Miner, Charles Paul	D.C
Miller, Kichard Cugenu	Va.	Miner, Mary Jacquelyn	3.04
Miller, Robert Earl Miller, Robert Edward	D.C	Miner, Newton Arthur	D.C
	N.Y	Miner, Richard Leo Miner, Sherman Leman	
B.S. in M.E. 1943, Cornell Univers	ity	R C 1041 Repl State Culture	NND
Miller, Robert Wayne	8415	Miners, Marcelle Loriains	N
Miller, Rodney Arthur A.B. 1949, University of	Md.		PER
A.B. 1949, University of		Minnery, Gladys Warner	N.Y
Pennsylvania	D.C	Minnery, Gladys Warner Minnich, William Spencer Minnich, John Bradley Minnick, John Bradley	
Miller, Roy Hamilton	Conn.		Te
Miller, Ruth Mary B.S. 1943, Mary Washington College Miller, Rutherford Bennett		Minnick Robert Charles	Wash
Miller Rutherford Bennett	D.C.		Me
Miller, Sally Isabelle	and the same	Mines Elizabeth BiffEll	Vi
Miller, Samuel Duncan	D.C.	Minor, Robert Center	DC
Miller, Seymour Marvin	N.Y.	Minor, Sophia Crouch Minton, George A.B. 1948. The George Washington	
	N.Y	A R 1948. The George Washington	Mich
B.S. 1940, New York University A.M. 1948, The George Washington			Ville
A.M. 1948, The George Washington	64	Mintz, Sidney	N.
University Miller, Theodore Arnold	Pa.	A.B. 1938, Ohio University	
Miller Walter Henry	Ohio	A.B. 1938, Ohio University Mirandon, Joseph Wilmer A.B. 1947, The George Washington University Chilton Luther	P
Miller, Walter Wallace	DC.	University	E.
Miller, William Francis Miller, William Frederick Miller, William Wilson	Pa	University Misch, Chilton Luther A.B. 1948, The George Washington	
Miller, William Frederick	DC.	A.B. 1948, The George Washington	p
Miller, William Wilson	D.C	Mise, Raymond Winfield	Di
Millian, Kenneth Young	D.C.	Misek, Albert Joseph	Wis
Millican, John Charles Milliken, Lewis Thurston	N.H.	Misey Edward Gabriel	
A.B. 1943, Bowdoin College	Saint.	Misey, Edward Gabriel A.B. 1943, A.M. 1945, University of	
Milliren, Miriam Lucille	Pa.	Wisconsin	

Misfeldt, William Duane	Nebr.	Mogin, Bert	DO
Miskinis, Eleanor Ellen			D.C.
Misner, Peggy Rose	D.C.	B.S. 1939. College of the City of	
Mischell Asset Rose	Ky.	New York	
Mitchell, Americus Luis	Md.	Moslen, Norman	D.C.
A.B. 1945, Vanderbilt University		B.S. 1940, College of the City of	
Mitchell, Charles Bradford	D.C.	New York	
Ph.B. 1928, A.M. 1929, Wesleyan		Mognaz, Guy Victor	D.C.
College		Mogul, Rubin	D.C.
		AR 1048 Pennsylvenia Co-4- C 11	Pa.
A.M 1918, Ph.D. 1919, Harvard		A.B. 1948, Pennsylvania State Coll-	
University		Mohagen, Edna Alice	D.C.
Mitchell, Clyde Albert Mitchell, Edward Alexander, Ir. A.B. 1943, University of Virginia	_Va.	B.S. 1937. The George Washington	
Mitchell, Edward Alexander, Ir.	D.C.		
A.B. 1041. University of Virginia		Mohler, Jeanne Claire Mohler, John Robbins Mohler, Marvin Francis Mohr, Paul James	D.C.
Mitchell, Ernest Eugene, Jr. Mitchell, Frank Paull	N.C.	Mobiles John Robbins	D.C.
Mischell French Doubt	N.Y.	Monter, John Robbins	D.C.
D.C I and Fault	24-1-	Monter, Marvin Francis	Va.
B.S. 1929. United States Naval		Mohr, Paul James	N.Y.
Academy		Mont, Rosamond Greenies	Va.
Mitchell, Frank Raymond, Jr.	Va	Moies, Ridgely, Jr.	D.C.
Mitchell, George Day	Md.	Molander Jarl	Va.
B.S. 1935, Johns Hopkins Universit		Molander, Jarl Moleski, Josephine Barbara	Pa
Mitchell Janaine I	Kans.	M. C. L. a. L. L. Marie Maria	
Mitchell, Jeannine Irene		Molighano, Louise Mary	Mass.
Mitchell. John Lee	Fla	Molinuro, Carman Joseph	D.C.
Mitchell, Marguerite Amy	Va.	B.S. 1944. Boston University	
Mitchell, Mary Christine	Ala	Moller, Mathias Peter III	Md.
Mitchell, Mary Eleanor	D.C.	Mollick, Jean	Mo.
Mitchell, Mary Lynn	N.Y.	Molony, Charles	
Mitchell, Muriel Ann	Ohio	A D Il-imminus of Commit	D.C.
Misshall Maniel Ann		A.B. 1032. University of Georgia	
Mitchell, Nan	D.C	Molony, Mary Moore	D.C.
Mitchell, Robert Cleo	Pa.	A.B. 1932, A.M. 1934, University of	
Mitchell, Robert Eugene	D.C.	Kentucky	
Mitchell, Robert Jouett	Mo.	Monaco, Dalio Hugo	Ohio
B.S. in A.E. 1943, Cornell Universit	V	Maria Constant Thomas	
Mitchell, Robert Laurie	Md.	Monahan, Stephen Thomas	N.Y.
	Pa.	Monchlovich, Mike B.S. 1947. The George Washington	Va.
Mitchell, Robert Warren	88.	B.S. 1947. The George Washington	
Mitchell, Stanley John, Jr.	Ohio	University	
Mitilenes, Nickolas George	N.J.	Moncure, Samuel Pemberton	Va.
B.S. 1948, Seton Hall College		D.C. anna Haired Carres Marrel	V 88 -
Mitoma, Edwin Yoshito	Ohio	B.S. 1932, United States Naval	
B.S. in E.E. 1947. Case School of		Academy	
Applied Science		Mondlock, Marguerite M.	XII.
Applied Science	37.	Mondschein, Earl Jay	Mich.
Mitton, Philip	Va.	Monie, Don John	D.C.
B.S. in Ch.E. 1914, Catholic			
University of America		Monier, John Baptiste	Pa.
Mitzkowski, Walter Joseph	N.Y.	B.S. 1941, University of Pittsburgh	
Mizell, Bryon Butter	Fla.	Monisera, Frank Daniel	N.J.
Mizelle, Fenton Vivian	Md.	Monk, Charles Albert	Va.
Mizene, renton vivian			
Moan, Jeanne Corkhill	Pa.	Monk, Gordon Vance	Ind.
A.B. 1935, Seton Hall College		Monlux, Andrew W.	Iowa
Modance, Walter Aaron	N.Y.	Monlux, Andrew W. D.V.M. 1942, M.S. 1947. Iowa	
B.S. 1938, College of the City of		State College of Agriculture and	
New York		Mechanic Arts	
	DC		D.
Modarelli, Edward Joseph	D.C.	Monn, John Israel	Pa.
Moder, Irving	N.Y.	B.S. in Ed. 1931, State Teachers	
	D.C.	College, Shippensburg, Pa.	
Modlin, Albert Jay B.S. 1948, The George Washington	210.	Monreal, Ruth Helge	Fla.
D.D. 1940, The Ocolge Washington			
University		Monroe, Carolyn Webb	D.C.
Modlin, Philip Hodgin	N.C.	Monroe, Ernestine Louise	D.C.
A.B. 1947. High Point College		Monroe, John Anthony	Mich.
Moe, Albert Ferdinand	Calif.	B.S. 1935. Ferris Institute	
B.S. 1928, University of California	Carre.	Monsheimer, Louis Bertram	Va.
	2.0		
Moe, Alfred Brox	Va.	Monson, Albert Bardell	Va.
Moe, Donald Jacques	Minn.	B.S. 1940, Brigham Young University	
B.S. 1943, United States Naval		Montague, James Herman	Del.
Academy		Montague, William Eugene	
	Calif		Va.
Moe, Stanley Kermit	Calif.	Montalbano, Michael Salvatore	N.Y.
Moebus, Charles, Jr.	Va.	A.B. 1948, The George Washington	
Moerman, Constance L.	Va.	University	
A.B. 1936, The George Washington		Monteith, Alice Jean	Va.
University			
Modern Second John	DC	Montgomery, Elizabeth Louise	D.C.
Moffatt, Samuel John	D.C.	A.B. 1934, Centre College of	
Moffitt, Charles Samuel	S.C.	Kentucky	
Moffitt, Meredith Elizabeth	Mexico	Montgomery, Joe Moore	Ala.
			Janes,

Montenmery, John William Myers	D.C.	Mora, Emma Gladys U	rugus)
Montgomery, John William Myers B.S. 1940, United States Naval	arron.	Morales, Betty Jane	Md Md
Academy		Morales, Donald Chauncey	Md
Montgomery, Richard Clemena	D.C.	Moran, Andrew John	Pa
Montgomery, Robert Hayes Montgomery, Virginia L. B.S. in Ed. 1941, University of	D.C.	Moran, Cecelia Alice	S.D
Montgomery, Virginia L.	Ohio	B.S. 1941, Northern State Teachers	
B.S. in Ed. 1941, University of		College	Va.
Cincinnati		Moran, Charles Vincent	D.C.
Montoya, Alfonso Theodore	N.M.	Moran, Frank Sheridan, Jr.	Cons
Monyak, John George	Pa.	Moran, Leon James	Va.
Monzel, Lionel Vincent	111.	Moran, Lowell A.	Md.
A.B. 1943, University of Michigan Moody, Harold Abram, Jr.	NI W	Moran, Robert Emmet	N.Y.
Moody, maroid Abram, Jr.	N.Y.	Moran, Terence Cornelius	Va.
Moody, Horace Ray Moody, William Augustus Muoers, John Eden	Wash. Tenn.	Moran, Terrance Lamar	MJ
Museus John Eden	Va.	MIGRAIL, A ROMAN F FARCH	
	201	B.Ch.E. 1939, New York University	N.I.
Moon, Joan Marie A.B. 1943, University of Maryland Moon. Thomas Jefferson, Jr. Mooney, Albert Lee B.S. 1943, Washington College Mooney, Mark Wendel Mooney, Robert James B.E.E. 1943, Yale University Moore, Alvin Jr.	2480.	Mordas, George	N.Y.
Moon Thomas lefterson Is.	Ala.	Morehouse, Lucille Vivian	Fla
Mooney, Albert Lee	Md.	BS in RA 101R University of	
B.S. 1941. Washington College		Moreland, Allen Barwick B.S. in B.A. 1938, University of Florida	
Mooney, Mark Wendel	Md.	A.M. 1942. Harvard University	
Mooney, Robert James	Conn.	LL.B. 1947, Georgetown University	Pa.
B.E.E. 1942, Yale University		Moreland, Chester Martin	Iowa
		A.M. 1942, Harvard University LL.B. 1947, Georgetown University Moreland, Chester Martin Moreland, Helen Lucile	Iona
Moore, Boyd Guerry	D.C.	B.S. 1940, Iowa State College of	
Moore, Charles Clinton, Jr.	D.C.	Agriculture and Mechanic Arts	
Moore, Charles Lansdale	Va.	B.S. 1940, Iowa State College of Agriculture and Mechanic Arts A.B. 1948, The George Washington	
Moore, Clifton Robert	D.C.	University	N.Y.
B.P.E. 1923, Springfield College Moore, Donald Francis	34	Moren, Clarence Gill	D.C
Moore, Donald Francis	Mass. Md.	Moreno, John A.	
Moore, Donnie McCoy, Jr. Moore, Douglas Hamilton, Jr.	Md.	B.S. 1930, United States Naval	2/10
	Md.	Academy Month John C. Je	3,60.
Moore, Elmer Lee Moore, Eugene Minton	Ala.	Morfit, John C., Jr. A.B. 1947, Duke University	Va.
Moore, George Carlton, Jr.	Md.	Morgan, Antonia Bell	A Wes
A.B. 1041. University of Maryland		A.B. 1916, A.M. 1945, Oxford	
Moore, Henrietta S.	Ind.	University	p.C.
Moore, Jack Alexander, Jr.	D.C.	Morgan, Antonia Louise	Va.
Moore, Jack Martin	Md.	Morgan, Arch Cleveland, Jr.	Va.
Moore, Jesse Lee	D.C.		
Moore, Jesse Myatt	Ark.	B.S. 1016. State Teachers College,	
Moore, Lusadel	· Ga.	Farmville, Va. Morgan, David Richard	Maine
Moore, Patricia Catherine	Va.	Morgan, David Richard	Ky.
Moore, Patricia Mary	Va.		
Moore, Pauline	W.Va.	A.B. 1948, The George Washington	00
B.S. 1944, West Virginia Universi Moore, Ray Clark	ity	University	D.C.
Moore, Ray Clark	Vt.	Morgan, Earl James	N.J.
Moore, S. Reid	Md.	Morgan, Edgar Donald	Miss.
Moore. Samuel Varick	D.C.	Morgan, Edward Tull Morgan, Emory Alex, Jr.	Calif.
B.S. 1942, University of Maryland	Va	Morgan, Emory Claude	Carre
Moore, Stella Davenport	D.C.	Morgan, Emory Claude B S. 1948, University of South	
Moore, Thomas Wesley Moore, Virgil Lytle	Va.		Va.
A R 1041 Ashury College	Va.	Morgan, Frank Sayre A.B. 1919, University of Michigan Morgan, Glenn Franklin, Jr.	
A.B. 1941, Asbury College Moore, Virginia Carolyn Moore, Virginia Worley	Va.	A.B 1919, University of Michigan	Vs.
Moore Virginia Worley	N.M.	Morgan, Glenn Franklin, Jr.	Md. D.C.
Moore Waldo Hawthorne	Va	Morgan, John Edward	D.C.
ALOGER, WAYO LORD	Md	Morgan, John Hamilton	Va.
Moore, Warren Lawrence	Calif	Morgan, John William	W.Va.
Moore, Warren Lawrence Moore, William Albert Moore, William Bonin	DC	Morgan, John Edward Morgan, John Hamilton Morgan, John Hamilton Morgan, Louise K. Morgan, Madison Bruce Morgan, Robert Elongo	Md.
Moore, William Bonin	Va.	Morgan, Madison Bruce	
Moore, William Brigham	Calif	Morgan, Robert Elongo	Conn.
B.S. 1950, United States Naval		Morgan, Robert Stone	Con.
Academy	-	Morgan, Walter Chaord, J. Connecticut	Ala.
Moore, Winnifred Ellis	D.C	Morgan, Robert Elonzo Morgan, Robert Stone Morgan, Walter Clifford, Jr. B.S. 1946, University of Connecticut	W.Va.
Moorhead, Joseph William	Va.		
A.B. 1948, American University	011	Morgan, William Barnes A.B. 1042. West Virginia University A.B. 1042. Charles Occar	Md.
Moorman, Mary Virginia	Okla.	Morgret, Charles Oscar	W.Va.
Moorman, Mary Virginia Moore, Coy E., Jr. Moore, John Wadsworth	Va	Manager Clarence About	Calif.
Moose, John Wadsworth	D.C.	Marin Joseph Evarts Proctor	p.C.
B.S. 1940, Kandolph-Macon College	D.C.	Morison, Donald William	
Mopper, Kenath Samuel	D.C.	11201	

Mortelage, Charles Calvin Mortedue, Patricia H Morton, Charles Calvin Mortedue, Patricia H Mortone, Aury Remeth Mortone, Aury Louisiana State University Mortin, Douglas Cockerille Mortone, Morton	Moritz, Lorraine Ruby	Wis	Machanita Manage M	
Morlock, Harry Kenneth Morone, Augustus James Morone, Francis Goodwyn B.S. 1935, University of Maine Morone, Augustus James Morone, Francis Goodwyn B.S. 1935, University of Maine Morone, Alla Louisiann State University Morria, David Daniel B.S. 1931, State Teachers College Pa. B.S. 1931, State Teachers College Pa. La. Mosa, Robert Cramton N.J. Mosa, Sidney, J. Mosa, Sidney, J. Mosa, Sidney, J. Moria, Harriet Jones Morria, Harriet Jones Morria, Harriet Jones Morria, Harriet Jones Morria, Lewis Dawone Morria, Philip Marlin Morria, Robert Barner Morria, Robert Barner Morria, Robert Barner Morria, Carbon Carmon Morria, Una Rita Morrison, Cargon Carmon Morria, Una Rita Morrison, Cargon Carmon Morrison, Howard Irwin Morrison, Howard Irwin Morrison, Howard Irwin Morrison, Hames Robert Morrison, Hames Robert Morrison, Hames Robert Morrison, Mariy Erizabeth Morrison, Mariy Erizabeth Morrison, Rajb Robert Morrison, William Robert Morrison, Rajb Robert Morrison, William Robert Morrison, Salp Robert Morrison, William Robert Morrison, William Robert Morrison, William Robert Morrison, William Robert Morrison, Salp Robert Morrison, William Rob	Morledge Charles Calvin		Moskowitz Milton Sam	D.C.
Morone, Augustus James Morone, Francis Goodwyn Moroz, Wallen Rodordyn Godyn Garle Moroz, David Daniel B.S. 1941, Louisians State University Morris, Douglar Cockerille Morris, Harriet Jones Morris, Lewis Dawson Morris, Lewis Dawson Morris, Lewis Dawson Morris, Lewis Dawson Morris, Cohert Beverly Borris, Louis And Maries Morris, Robert Abram Morris, Robert Beverly B.S. in C.E. 1036, University of North Carolina Morris, Robert Beverly B.S. in C.E. 1036, University of North Carolina Morris, Robert Beverly B.S. in C.E. 1036, University of North Carolina Morrison, James Brown, Jr. Morrison, James Brown, Jr. Morrison, James Robert Morrison, James Robert Morrison, Marilyn Ray Morrison, William Robert Morrison, William Robert Morrison, William Robert Morrison, Marilyn Ray Morrison, Robert Relevelyn Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Robert Relevelyn Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Robert Relevelyn Morrison, James Robert Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Robert Relevelyn Morrison, Marilyn Ray Morrison, Marily	Morledge, Patricia H	D.C.	Mosley, Fred Millett	D.C.
Morone, Augustus James Morone, Francis Goodwyn Moroz, Wallen Rodordyn Godyn Garle Moroz, David Daniel B.S. 1941, Louisians State University Morris, Douglar Cockerille Morris, Harriet Jones Morris, Lewis Dawson Morris, Lewis Dawson Morris, Lewis Dawson Morris, Lewis Dawson Morris, Cohert Beverly Borris, Louis And Maries Morris, Robert Abram Morris, Robert Beverly B.S. in C.E. 1036, University of North Carolina Morris, Robert Beverly B.S. in C.E. 1036, University of North Carolina Morris, Robert Beverly B.S. in C.E. 1036, University of North Carolina Morrison, James Brown, Jr. Morrison, James Brown, Jr. Morrison, James Robert Morrison, James Robert Morrison, Marilyn Ray Morrison, William Robert Morrison, William Robert Morrison, William Robert Morrison, Marilyn Ray Morrison, Robert Relevelyn Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Robert Relevelyn Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Robert Relevelyn Morrison, James Robert Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Robert Relevelyn Morrison, Marilyn Ray Morrison, Marily	Morley, William MacNeil	D.C.	B.S. in C.E. 1911. Repusalaer	VA.
Morone, Augustus James Morone, Francis Goodwyn B.S. 1935, University of Maine Moroz, Walter Stanley Morris, David Daniel B.S. 1945, Louisian State University Morris, David Daniel B.S. 1945, Louisian State University Morris, Davigheth . M. M. B.S. 1935, State Teachers College, Franingham, Mass. Mosa, Robert Cramton N. Mosa, Sidney J. A.B. 1945, University of California Mosaman, Paul Burrell A.B. 1945, University of California Morris, Harden Morris, Lawis Dawson Morris, Lawis Dawson Morris, Lowis Dawson Morris, Morris Millip Marlin Morris, Cherris Merely B.S. in C.E. 1946, University of North Carolina Morris, Robert Beverly B.S. in C.E. 1946, University of North Carolina Morris Robert Earl Morris, Robert Earl Morrison, James Brown, Jr. Morrison, James Brown, Jr. Morrison, James Robert Morrison, James Robert Morrison, Mary Elizabeth Morrison, Mary Elizabeth Morrison, Mary Elizabeth Morrison, William Robert Morrison, Mary Elizabeth Morrison, William Robert Morrison, Mary Elizabeth Morrison, Mary Elizabeth Morrison, Mary Elizabeth Morrison, William Robert Morrison, William Robert Morrison, William Robert Morrison, William Robert Morrison, Mary Elizabeth Morrison, Mary Elizabeth Morrison, William Robert Morrison, William Robert Morrison, James Robert Morrison,	Wioriock, Harry Kenneth	D.C.	Polytechnic Institute	
B.S. 1913, University of Maine Morce, Walter Stanley Morris, David Daniel Morris, Charles State University of Maine Morris, Charles State University of Morris, Line Morris, Harriet Jones Morris, Harriet Jones Morris, Haryden Morris, Haryden Morris, Iname Peter Morris, John Michael Morris, John Michael Morris, Morris, Gone Hughes, Jr. Morris, Morris Philip Marlin Morris, Robert Abram M	Mornone, Augustus James	Va.		Mass
B.S. 1915, University of Maine Morcz, Walter Stanley Morris, David Daniel B.S. 1941, Louisana State University Morris, Douglar Cockerille Morris, Davie Jensey College for Women Morris, Hayden Morris, Hayden Morris, Hayden Morris, Hayden Morris, James Philip Morris, James Philip Morris, Lewis Davson Morris, Lewis Davson Morris, Comman Patrick Morris, Comman Patrick P.B. 1948, Providence Conn. Morris, Robert Bard Morris, Robert B	Morong, Francis Goodwyn	Tex.	Moss, Helmi Amanda	DC
B.S. 1941, Louisiana State University Morris, Douglas Cockerile Morris, Elizabeth L. M. B.S. 1933, New Jersey College for Women Morris, Harriet Jones Morris, Haryden Morris, Haryden Morris, Hayden Morris, Iname Peter Morris, Conn Morris, Lewin Dawson Morris, Conn Morris, Robert Abram Morris, Robert Earl Morris, Ronald Eugene Morris, Conn Morris, Ronald Eugene Morris, Carson Carmon Morrison, Laude Oliver B.S. in Ed. 1933, University of Nebraska Morrison, Carson Carmon Morrison, James Brown, Jr. Morrison, James Brown, Jr. Morrison, Marilyn Ray Morrison, Rajbh Robert Morrison, Walter Franklin Morrow, Christopher Mollen Morrow, Walter Franklin Morrow, Christopher Mollen Morrow, Mary Loy Morrow, Walter Franklin More, Bereton Beauregard More, Repten Beauregard More, Mary Loy Morrow, Walter Franklin More, Bereton Beauregard More, Mary Loy Morrow, Walter Franklin More, Bereton Beauregard More, Mary Loy Morrow, Walter Franklin More, Bereton Beauregard More, Mary Loy Morrow, Walter Franklin More, Bereton Beauregard More, Mary Loy Morrow, Mary Loy Morrison, Line State College for Wonnea B.S. in L.S. 1930, University of N.Z. Morrison, Lewin Morrison Mor	B.S. 1935, University of Maine		B.S. 1933. State Teachers College,	
B.S. 1941, Louisiana State University Morris, Douglas Cockerile Morris, Elizabeth L. M. B.S. 1933, New Jersey College for Women Morris, Harriet Jones Morris, Haryden Morris, Haryden Morris, Hayden Morris, Iname Peter Morris, Conn Morris, Lewin Dawson Morris, Conn Morris, Robert Abram Morris, Robert Earl Morris, Ronald Eugene Morris, Conn Morris, Ronald Eugene Morris, Carson Carmon Morrison, Laude Oliver B.S. in Ed. 1933, University of Nebraska Morrison, Carson Carmon Morrison, James Brown, Jr. Morrison, James Brown, Jr. Morrison, Marilyn Ray Morrison, Rajbh Robert Morrison, Walter Franklin Morrow, Christopher Mollen Morrow, Walter Franklin Morrow, Christopher Mollen Morrow, Mary Loy Morrow, Walter Franklin More, Bereton Beauregard More, Repten Beauregard More, Mary Loy Morrow, Walter Franklin More, Bereton Beauregard More, Mary Loy Morrow, Walter Franklin More, Bereton Beauregard More, Mary Loy Morrow, Walter Franklin More, Bereton Beauregard More, Mary Loy Morrow, Walter Franklin More, Bereton Beauregard More, Mary Loy Morrow, Mary Loy Morrison, Line State College for Wonnea B.S. in L.S. 1930, University of N.Z. Morrison, Lewin Morrison Mor	Moroz, Walter Stanley		Framingham, Mass.	
Morris, Douglar Cockerile Morris, Elizabeth L. M. B.S. 1935, New Jersey College for Women Morris, Harrier Jones Morris, Harrier Jone	Morris, David Daniel		Moss, Robert Cramton	Mass.
B.S. 1933. New Jersey College for Women Women Morris, Harrier Jones Morris, Harrier Jones Morris, Harrier Jones Morris, Harrier Jones Morris, Morris, Philip Morris, Morris, Philip Morris, Morris, Morris, Morris, Philip Marlin Morris, Robert Beverly D.C. Morris, Philip Marlin Morris, Robert Beverly D.C. Morris, Philip Marlin Morris, Robert Beverly D.C. Morrison, David Irwin Morrison, Claude Ofiver Morrison, Howard Irwin Morrison, Lilian Amms Morrison, Lilian Amms Morrison, Marilyn Jeanine Morrison, Marilyn Ray Morrison, Ralph Robert Morrison, Robert Reid D.C. Morrison, Ralph Robert Morrison, William Robert Morrison, Robert Reid D.C. Morrison, Robert Reid D.C. Morrison, Ralph Robert Morrison, William Robert Morrison, William Robert Morrison, William Robert Morrison, William Robert Morrison, Robert Reid D.C. Morrison, Robert Reid D.C. Morrison, Mary Lory Morrow, Walter Franklin Morre, Maryin Wilbert Morrison, Robert Beauregard Morre, Maryin Wilbert Morrison, Robert Beauregard Morre, Maryin Wilbert Morrison, Robert Beauregard Morre, Maryin Wilbert Morrison, Robert Beautegard Morre, Maryin Wilbert Morrison, Robert Beautegard Morre, Maryin Wilbert Morrison, Robert Beatel Mosee, Harryin Wilbert Morrison, Robert Beatel Mosee, Harryin Wilbert Morrison, Park Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseeley, Janes Cleyburne, Jr. Moseley, Wilpiam Leanard Modeller, Mallel, Patricia Anne Muller, Raymond Carl M	Mossis David Control Value	ity Va	A R 1048 The Course W.	N.Y.
B.S. 1933. New Jersey College for Womens Morris, Harriet Jones Morris, Haryden Morris, Haryden Morris, Layden Morris, Law Bayden Morris, Lewis Dawson Morris, Morris Morris, Review Dawson Morris, Morris, Philip Marlin Morris, Robert Beverly D.C. Morris, Philip Marlin Morris, Robert Beverly B.S. in C.E. 1936. University of North Carolina Morris, Robert Bear Morrison, Laude Oliver B.S. in Ed. 1931, Prantis Morrison, Claude Oliver B.S. in Ed. 1931, University of Nebraka Morrison, Lames Robert Morrison, James Robert Morrison, James Robert Morrison, James Robert Morrison, Marilyn Ray Morrison, Ralph Robert Morrison, Ralph Robert Morrison, Robert Reid Morrison, Ralph Robert Morrison, William Lewelyn Morrison, William Robert Morrison, Robert Reid Morrison, Robert Reid Morrison, Robert Reid Morrison, Robert Bearing Morrison, William Robert Morrison, Robert Reid Morrison, Robert Reid Morrison, Robert Reid Morrison, Robert Reid Morrison, Ralph Robert Morrison, Robert Reid Morrison, Robert Bear Morrison, Mary Lory Morrison, Robert Reid Morrison, Robert Reid Morrison, Robert Reid Morrison, Ralph Robert Morrison, Robert Reid Morrison, Ralph Robert Morrison, Robert Bear Morrison, Robert Reid Morrison, Ralph Robert Morrison, Robert Reid Morrison, Ralph Robert Morrison, Mary Lory Morrison, Robert Reid Morrison, Robert Reid Morrison, Ralph Robert Morri	Morris, Douglas Cockernie	N. I	In west to	
Women Morris, Haryiet Jones Morris, James Peter Morris, James Philip Morris, Choh Michael Morris, Robert Baryilip Morris, Robert Baryilip Morris, Robert Baryilip Morris, Robert Baryilip Morris, Robert Berly Morris, Das, Providence College Morris, Una Rita Morrison, Carson Carmon Morrison, Claude Oliver B.S. in Ed. 1933, University of Nebraka Morrison, James Bobert Morrison, James Bobert Morrison, James Bobert Morrison, James Bobert Morrison, James Robert Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Marilyn Ray Morrison, Wailliam Lewelyn Morrison, William Lewelyn Morrison, William Lewelyn Morrison, William Lewelyn Morrow, Mary Loy Morrison, William Robert Morrison, William Lewelyn Morrison, William Robert Morrison, William Robert Morrison, William Robert Morrison, William Robert Morrison, William Lewelyn Morrison, William Robert Morrison, William Robert Morrison, William Lewelyn Morrison, William Lewelyn Morrison, Raph Robert Morrison, William Lewelyn Morrison, Raph Robert Morrison, Wary Loy Morrison, Marilyn Ray M	RS 1012 New Jersey College for		Mossman, Paul Burrell	O 111
Morris, Haryden Morris, James Peter Morris, James Peter Morris, James Philip Morris, Levis Dawson Morris, Morris M			A.B. sore Hairmain Come	Calif.
S. S. in C.E. 1926, University of North Carolina Morris, Robert Earl Morris, Robert Earl Morris, Robert Earl Morris, Rohard Eugene Morris, Thomas Patrick Ph.B. 1948, Providence College Morris, Una Rita Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Eva Jean Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, William Leband Morrison, William Leband Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Leband Morrow, Christopher Mollen Morrow, Christopher Mollen Morrow, Walter Franklin Morse, Breton Beauregard Morse, Breton Beauregard Morse, Breton Beauregard Morse, Marjorie Lee Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, Virgie Pastel Moseer, Harry M. A.B. 1918, Thiel College Moscol, Harry M. A.B. 1918, Thiel College Moscol, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel	Morris, Harriet Iones	La.	Mostellez, Bertha Alene	NIC
S. S. in C.E. 1926, University of North Carolina Morris, Robert Earl Morris, Robert Earl Morris, Robert Earl Morris, Rohard Eugene Morris, Thomas Patrick Ph.B. 1948, Providence College Morris, Una Rita Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Eva Jean Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, William Leband Morrison, William Leband Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Leband Morrow, Christopher Mollen Morrow, Christopher Mollen Morrow, Walter Franklin Morse, Breton Beauregard Morse, Breton Beauregard Morse, Breton Beauregard Morse, Marjorie Lee Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, Virgie Pastel Moseer, Harry M. A.B. 1918, Thiel College Moscol, Harry M. A.B. 1918, Thiel College Moscol, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel	Morris, Hayden	Vt.	Mostow, Isadore	D.C.
S. S. in C.E. 1926, University of North Carolina Morris, Robert Earl Morris, Robert Earl Morris, Robert Earl Morris, Rohard Eugene Morris, Thomas Patrick Ph.B. 1948, Providence College Morris, Una Rita Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Eva Jean Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, William Leband Morrison, William Leband Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Leband Morrow, Christopher Mollen Morrow, Christopher Mollen Morrow, Walter Franklin Morse, Breton Beauregard Morse, Breton Beauregard Morse, Breton Beauregard Morse, Marjorie Lee Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, Virgie Pastel Moseer, Harry M. A.B. 1918, Thiel College Moscol, Harry M. A.B. 1918, Thiel College Moscol, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel	Morris, James Peter	Conn.	Mott, Richard Henry, Jr.	D.C.
S. S. in C.E. 1926, University of North Carolina Morris, Robert Earl Morris, Robert Earl Morris, Robert Earl Morris, Rohard Eugene Morris, Thomas Patrick Ph.B. 1948, Providence College Morris, Una Rita Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Eva Jean Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, William Leband Morrison, William Leband Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Leband Morrow, Christopher Mollen Morrow, Christopher Mollen Morrow, Walter Franklin Morse, Breton Beauregard Morse, Breton Beauregard Morse, Breton Beauregard Morse, Marjorie Lee Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, Virgie Pastel Moseer, Harry M. A.B. 1918, Thiel College Moscol, Harry M. A.B. 1918, Thiel College Moscol, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel	Morris, James Philip	N.C.	A.B. 1947, The George Washington	D.C.
S. S. in C.E. 1926, University of North Carolina Morris, Robert Earl Morris, Robert Earl Morris, Robert Earl Morris, Rohard Eugene Morris, Thomas Patrick Ph.B. 1948, Providence College Morris, Una Rita Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Eva Jean Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, William Leband Morrison, William Leband Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Leband Morrow, Christopher Mollen Morrow, Christopher Mollen Morrow, Walter Franklin Morse, Breton Beauregard Morse, Breton Beauregard Morse, Breton Beauregard Morse, Marjorie Lee Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, Virgie Pastel Moseer, Harry M. A.B. 1918, Thiel College Moscol, Harry M. A.B. 1918, Thiel College Moscol, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel	Morris, John Michael	D.C.	University	
S. S. in C.E. 1926, University of North Carolina Morris, Robert Earl Morris, Robert Earl Morris, Robert Earl Morris, Rohard Eugene Morris, Thomas Patrick Ph.B. 1948, Providence College Morris, Una Rita Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Eva Jean Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, William Leband Morrison, William Leband Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Leband Morrow, Christopher Mollen Morrow, Christopher Mollen Morrow, Walter Franklin Morse, Breton Beauregard Morse, Breton Beauregard Morse, Breton Beauregard Morse, Marjorie Lee Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, Virgie Pastel Moseer, Harry M. A.B. 1918, Thiel College Moscol, Harry M. A.B. 1918, Thiel College Moscol, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel	Morris, Lewis Dawson	Va.	Mottrani, Harold Richard	N.Y
S. S. in C.E. 1926, University of North Carolina Morris, Robert Earl Morris, Robert Earl Morris, Robert Earl Morris, Rohard Eugene Morris, Thomas Patrick Ph.B. 1948, Providence College Morris, Una Rita Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Eva Jean Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, William Leband Morrison, William Leband Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Leband Morrow, Christopher Mollen Morrow, Christopher Mollen Morrow, Walter Franklin Morse, Breton Beauregard Morse, Breton Beauregard Morse, Breton Beauregard Morse, Marjorie Lee Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, Virgie Pastel Moseer, Harry M. A.B. 1918, Thiel College Moscol, Harry M. A.B. 1918, Thiel College Moscol, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel	Morris, Marian Miles	13.	Moul, George Edward, Jr.	D.C.
S. S. in C.E. 1926, University of North Carolina Morris, Robert Earl Morris, Robert Earl Morris, Robert Earl Morris, Rohard Eugene Morris, Thomas Patrick Ph.B. 1948, Providence College Morris, Una Rita Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Eva Jean Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, William Leband Morrison, William Leband Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Leband Morrow, Christopher Mollen Morrow, Christopher Mollen Morrow, Walter Franklin Morse, Breton Beauregard Morse, Breton Beauregard Morse, Breton Beauregard Morse, Marjorie Lee Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, Virgie Pastel Moseer, Harry M. A.B. 1918, Thiel College Moscol, Harry M. A.B. 1918, Thiel College Moscol, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel	Morris, Owen Hughes, Jr.	D.C.	Moulis, Edward Jean	D.C.
S. S. in C.E. 1926, University of North Carolina Morris, Robert Earl Morris, Robert Earl Morris, Robert Earl Morris, Rohard Eugene Morris, Thomas Patrick Ph.B. 1948, Providence College Morris, Una Rita Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Eva Jean Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, William Leband Morrison, William Leband Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Lebert Morrison, William Leband Morrow, Christopher Mollen Morrow, Christopher Mollen Morrow, Walter Franklin Morse, Breton Beauregard Morse, Breton Beauregard Morse, Breton Beauregard Morse, Marjorie Lee Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, Virgie Pastel Moseer, Harry M. A.B. 1918, Thiel College Moscol, Harry M. A.B. 1918, Thiel College Moscol, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel	Morris, Philip Marlin	Miss.	D.S. 1935, Louisiana Polytechnic	
S. S. in C.E. 1926, University of North Carolina Morris, Robert Earl Morris, Robert Earl Morris, Rohard Eugene Morris, Una Rita Morrison, Carson Carmon Morrison, Carson Carmon Morrison, Caron Carmon Morrison, Caron Carmon Morrison, Eva Jean Morrison, James Brown, Jr. Morrison, James Robert D.C. Mower, Robert Dean D.C	Mooris, Robert Abram	D.C.		
Morrison, Claude Oliver B.S. in Ed. 1935, University of Nebraska Morrison, Eva Jean Morrison, Howard Irwin Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, Marilyn Jeanine Morrison, Marilyn Ray Morrison, William Llewelyn Morrison, William Llewelyn Morrison, William Robert Maine Mulsen, Pauline Morrison, William Robert Mulderig, Gerald Edward D.C. Mulderig, Martin Joseph, Jr. N.Y. Mullen, Patricia Anne Mullarkey, James Patrick Mullen, Patricia Anne Mullen, Patricia Anne Mullen, Patricia Anne Mullen, Walter Raymond D.C. Mullen, Raymond Carl Muller, Ardill George D.C. Muller, Ardill George D.C. Muller, Ardill George D.C. Muller, Ardill George	R S in C F 1006 University	D.C.	A.B 1014. Pennauluania Care	Va.
Morrison, Claude Oliver B.S. in Ed. 1935, University of Nebraska Morrison, Eva Jean Morrison, Howard Irwin Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, Marilyn Jeanine Morrison, Marilyn Ray Morrison, William Llewelyn Morrison, William Llewelyn Morrison, William Robert Maine Mulsen, Pauline Morrison, William Robert Mulderig, Gerald Edward D.C. Mulderig, Martin Joseph, Jr. N.Y. Mullen, Patricia Anne Mullarkey, James Patrick Mullen, Patricia Anne Mullen, Patricia Anne Mullen, Patricia Anne Mullen, Walter Raymond D.C. Mullen, Raymond Carl Muller, Ardill George D.C. Muller, Ardill George D.C. Muller, Ardill George D.C. Muller, Ardill George	North Carolina		Mountain, Robert Emmett	else
Morrison, Claude Oliver B.S. in Ed. 1935, University of Nebraska Morrison, Eva Jean Morrison, Howard Irwin Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, Marilyn Jeanine Morrison, Marilyn Ray Morrison, William Llewelyn Morrison, William Llewelyn Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Mulson, Parlison Moscler, Alama Mollen, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Morrison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Museris		Va.	Moure, Rupert Francia	D.C.
Morrison, Claude Oliver B.S. in Ed. 1935, University of Nebraska Morrison, Eva Jean Morrison, Howard Irwin Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, Marilyn Jeanine Morrison, Marilyn Ray Morrison, William Llewelyn Morrison, William Llewelyn Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Mulson, Parlison Moscler, Alama Mollen, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Morrison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Museris	Morris, Ronald Eugene	D.C.	Mourning, Henry Lee	Md.
Morrison, Claude Oliver B.S. in Ed. 1935, University of Nebraska Morrison, Eva Jean Morrison, Howard Irwin Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, Marilyn Jeanine Morrison, Marilyn Ray Morrison, William Llewelyn Morrison, William Llewelyn Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Mulson, Parlison Moscler, Alama Mollen, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Morrison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Museris	Morris, Thomas Patrick	Mass.	Mousley, Joseph Charles	D.C.
Morrison, Claude Oliver B.S. in Ed. 1935, University of Nebraska Morrison, Eva Jean Morrison, Howard Irwin Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, Marilyn Jeanine Morrison, Marilyn Ray Morrison, William Llewelyn Morrison, William Llewelyn Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Mulson, Parlison Moscler, Alama Mollen, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Morrison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Museris	Ph.B. 1048, Providence College		Moutros, Demetra Periclis	D.C.
Morrison, Claude Oliver B.S. in Ed. 1935, University of Nebraska Morrison, Eva Jean Morrison, Howard Irwin Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, Marilyn Jeanine Morrison, Marilyn Ray Morrison, William Llewelyn Morrison, William Llewelyn Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Mulson, Parlison Moscler, Alama Mollen, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Morrison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Museris	Morris, Una Rita	D.C.	Mowers, Robert Dean	DC
Morrison, Claude Oliver B.S. in Ed. 1935, University of Nebraska Morrison, Eva Jean Morrison, Howard Irwin Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, Marilyn Jeanine Morrison, Marilyn Ray Morrison, William Llewelyn Morrison, William Llewelyn Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Mulson, Parlison Moscler, Alama Mollen, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Morrison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Museris		Calif.	Mowl, Dorothy Lucille	Pa.
Morrison, Claude Oliver B.S. in Ed. 1935, University of Nebraska Morrison, Eva Jean Morrison, Howard Irwin Morrison, James Brown, Jr. Morrison, James Robert Morrison, Julian Knox Morrison, Marilyn Jeanine Morrison, Marilyn Jeanine Morrison, Marilyn Ray Morrison, William Llewelyn Morrison, William Llewelyn Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Morrison, William Robert Maine Mulson, Parlison Moscler, Alama Mollen, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline Morrison, Alvin Leonard D.C. Mulson, Pauline Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Muserison, Alvin Leonard D.C. Mulson, Pauline D.C. Muserison, Alvin Leonard D.C. Museris	Morrison, Carson Carmon		Mowry, Boardman Shaw	D.C
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, Claude Oliver	Nebr.	Man Clarett, 1940, Purdue University	7
Morrison, William Robert Mulkeriam Robert Mulkeriam Robert Mulkeriam Robert Minn, Muri Donald Belden Muri Donald Belden Minn, Muri Donald Belden Muri D			RS 1000 II-i	D.C.
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Nebraska Maniera Euro	Va	Moy Edwins	_
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, Eva Jean Morrison Howard Irwin	N.Y.	Moy, Ernest Don	D.C.
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, James Brown, Jr.	D.C.	Moy, Tsoy Kin	D.C.
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, James Robert	D.C.	Moyer, Robert Daniel	Calif.
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, Julian Knoz	D.C.	Moyerman, Ruth Jean	Pa.
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, Lillian Amma	D.C.	Moynihan, Francis Joseph	W.Y.
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, Marilyn Jeanine	Va.	Moynihan, William Trunbull	Mars.
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, Marilyn Ray	Ky.	Muchnick, Abraham Hershel	D.C.
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, Mary Elizabeth	Pa.	Muck, William Leland	V.
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, Ralph Robert	D.C.	Mudd, Roger Harrison	DC
Morrison, William Robert Minn, Mur. Donald Belden Minn, Mur. Donald Belden Minn, Mur. Donald Belden Pa. Multer, Gerald Edward D.C. Mulderig, Gerald Edward D.C. Mulderig, Viola N.Y. Mulderig, Wartin Joseph, Jr. Mulderig, Martin Joseph, Jr. N.Y. Morthimer, Marvin Wilbert Moston, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, Virgie Pastel Moseley, Virgie Pastel Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Martin Winn, Jr. Mullen, Patricia Anne North Carolina North Carolina North Carolina Mullanderia, William, Jr. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Martin Joseph, Jr. N.Y. Mulderig, Viola N.Y. Mulderig, Vio	Morrison, Robert Reid	D.C.	Mueller, Peter Klaus	DC
Morrow, Christopher Mollen Morrow, Mary Loy Morrow, Walter Franklin Morse, Breton Beauregard Morse, Marjorie Lee Morter, Norman Alvey Morthimer, Marvin Wilbert Morton, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moscou, Bertha Pearl Moscou, Elizabeth Gordon A.B. 1920, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moscley, James Cleyburne, Jr. Moscley, James Cleyburne, Jr. Moscley, Wartin Winn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Martin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Martin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Martin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, James Cleyburne, Jr. Moscley, Wartin Myinn, Jr. Moscley, Wartin Myinn, Jr. Mullen, Patricia Anne Mullarkey, James Patrick Mullen, Patricia Anne Normal University Walter Raymond B.S. in Ed. 1939, Illinois State Normal University Walter Raymond Carl Mullet, Ardill George D.C. Mulderig, Martin Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Franc	Morrison, William Llewelyn	N.J.	Mulson, Pauline	
Morrow, Christopher Mollen Morrow, Mary Loy Morrow, Walter Franklin Morse, Breton Beauregard Morse, Marjorie Lee Morter, Norman Alvey Morthimer, Marvin Wilbert Morton, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moscou, Bertha Pearl Moscou, Elizabeth Gordon A.B. 1920, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moscley, James Cleyburne, Jr. Moscley, James Cleyburne, Jr. Moscley, Wartin Winn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Martin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Martin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, Martin Myinn, Jr. Moscley, Wartin Myinn, Jr. Moscley, James Cleyburne, Jr. Moscley, Wartin Myinn, Jr. Moscley, Wartin Myinn, Jr. Mullen, Patricia Anne Mullarkey, James Patrick Mullen, Patricia Anne Normal University Walter Raymond B.S. in Ed. 1939, Illinois State Normal University Walter Raymond Carl Mullet, Ardill George D.C. Mulderig, Martin Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Francis Joseph, Jr. N.Y. B.S. 1940, United States Naval Academy Mulhall, Franc	Morrison, William Robert	Maine	Muhanen Oliver Leonard	136"
Morrow, Walter Franklin Morse, Barton Beauregard Morse, Marjorie Lee Morter, Norman Alvey Morter, Norman Alvey Morter, Norman Alvey Morton, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, University of Women B.S. in L.S. 1939, University of North Carolina Moseley, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Wattin Winn, Jr. Moseley, Virgie Pastel Moseer, Ben Moseer, Ren Moseer, Wartin Winn, Jr. Moseley, Virgie Pastel Moseer, Harry M. Mullen, Rupert Albert R.I. Mullen, Patricia Anne Mullen, Patricia Anne Mullen, Walter Raymond D.C. Mulderig, Narayan Chandra D.C. Mulderig, Gerald Edward N.Y. Mulderig, Coral Edward N.Y. Mulderig, Coral Edward N.Y. Mulderig, Viola N.Y. Mulderig, Coral Edward N.Y. Mulderig, Viola N.Y. Mulderig, Coral Edward N.Y.	Morrissey, Kaymond	Md.	Muir Donald Bald	
Morrow, Walter Franklin Morse, Barton Beauregard Morse, Marjorie Lee Morter, Norman Alvey Morter, Norman Alvey Morter, Norman Alvey Morton, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, University of Women B.S. in L.S. 1939, University of North Carolina Moseley, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Wattin Winn, Jr. Moseley, Virgie Pastel Moseer, Ben Moseer, Ren Moseer, Wartin Winn, Jr. Moseley, Virgie Pastel Moseer, Harry M. Mullen, Rupert Albert R.I. Mullen, Patricia Anne Mullen, Patricia Anne Mullen, Walter Raymond D.C. Mulderig, Narayan Chandra D.C. Mulderig, Gerald Edward N.Y. Mulderig, Coral Edward N.Y. Mulderig, Coral Edward N.Y. Mulderig, Viola N.Y. Mulderig, Coral Edward N.Y. Mulderig, Viola N.Y. Mulderig, Coral Edward N.Y.	Morrow, Christopher Motten	P.	Muisheed William T	D.C.
Morse, Breton Beauregard Morse, Marjorie Lee Morter, Norman Alvey Morthimer, Marvin Wilbert Morton, Frank Reginold A.B. 1938. Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939. Florida State College for Women B.S. in L.S. 1939. University of North Carolina Moseley, James Cleyburne, Jr. Moseley, James Cleyburne, Jr. Moseley, Wartin Joseph, Jr. B.S. 1940. United States Naval Academy Mulhall, Francis Joseph, Jr. Mulkey, Thomas Charles Mull, John Clifford N.C. Mullen, Patricia Anne D.C. Mulhearn, Rupert Albert Mullarkey, James Patrick Mullen, Patricia Anne D.C. Mullen, Walter Raymond B.S. in Ed. 1939. Illinois State Normal University Muller, Raymond Carl	Morrow, Mary Loy	Md	Mukhevin Narawan Chanda	Pa.
Morter, Norman Alvey Morthimer, Marvin Wilbert Morton, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, James Cleyburne, Jr. Moseley, Wattin Joseph, Jr. Mulhall, Francis Joseph, Jr. Mulhearn, Rupert Albert R.I. Mulkey, Thomas Charles Mull, John Clifford Mull, John Clifford Mull, Lyle Ray Mullen, Patricia Anne Moseley, James Cleyburne, Jr. Moseley, Wattin Joseph, Jr. Mulhearn, Rupert Albert R.I. Mulkey, Thomas Charles Mullen, Patricia Anne Mullen, Patricia Anne D.C. Mullen, Walter Raymond D.C. Wa. Moseley, Virgie Pastel Moses, Harry M. Muller, Raymond Carl		DC	Mulderin Gerald Edward	D.C.
Morter, Norman Alvey Morthimer, Marvin Wilbert Morton, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, James Cleyburne, Jr. Moseley, Wattin Joseph, Jr. Mulhall, Francis Joseph, Jr. Mulhearn, Rupert Albert R.I. Mulkey, Thomas Charles Mull, John Clifford Mull, John Clifford Mull, Lyle Ray Mullen, Patricia Anne Moseley, James Cleyburne, Jr. Moseley, Wattin Joseph, Jr. Mulhearn, Rupert Albert R.I. Mulkey, Thomas Charles Mullen, Patricia Anne Mullen, Patricia Anne D.C. Mullen, Walter Raymond D.C. Wa. Moseley, Virgie Pastel Moses, Harry M. Muller, Raymond Carl		D.C	Mulderig, Viola	D.C.
Morthimer, Marvin Wilbert Morton, Frank Reginold A.B. 1938, Thiel College Moscou, Bertha Pearl Moeley, Elizabeth Gordon A.B. 1939, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Amartin Winn, Jr. Moseley, James Cleyburne, Jr. Muller, Raymond D.C. Mulhall, Francis Joseph, Jr. Mulkey, Thomas Charles Mullar, Prancis Joseph, Jr. Mulkey, Thomas Charles Mullar, Prancis Joseph, Jr. Mulkey, Thomas Charles Mullar, Prancis Joseph, Jr. Mulkey, Thomas Charles Muller, Patrick Mullen, Patrick Amae D.C. Wa. Mullen, Patrick Amae Normal University	No. 1 No. 1 Alexander		Mulderie Martin Issael To	N.Y.
A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1929, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, James Cleyburne, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Virgie Pastel Moseley, Ben Moseley, Martin Winn, Moseley Moser, Ben Moseley, Martin Winn, Moseley Mose	Marthimes Marrin Wilhert	D.C.		N.Y.
A.B. 1938, Thiel College Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1929, Florida State College for Women B.S. in L.S. 1939, University of North Carolina Moseley, James Cleyburne, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Virgie Pastel Moseley, Ben Moseley, Martin Winn, Moseley Moser, Ben Moseley, Martin Winn, Moseley Mose	Morton Frank Reginald	Md.	Academy	
Moscou, Bertha Pearl Moseley, Elizabeth Gordon A.B. 1030, Florida State College for Women B.S. in L.S. 1030, University of North Carolina Moseley, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Wartin Winn, Jr. Moseley, Ben Mose, Harry M. Muller, Ardill George D.C. Mullen, Patricia Anne D.C. Mullen, Walter Raymond B.S. in Ed. 1030, Illinois State Normal University Muller, Raymond Carl Mullet, Ardill George D.C.	A B tota Thiel College		Mulhall, Francis Ioseph, Ir.	200
Moseley, Elizabeth Gordon A.B. 1030, Florida State College for Women B.S. in L.S. 1039, University of North Carolina Moseley, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moser, Ben Mose, Harry M. Mulley, Thomas Charles Mulley, James Patrick Mullen, Lyle Ray Mullen, Patricia Anne M	Moscou, Bertha Pearl	D.C.	Mulhearn, Kunert Albert	D.C.
A. B. 1020, Florida State College for Women B. S. in L. S. 1030, University of North Carolina Moseley, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Warten Rymood Moseley, Wigie Pastel Moser, Ben Mose, Harry M. Mullen, Patricia Anne Mullen, Patri		Fla.	Mulkey, Thomas Charles	D.C.
North Carolina Moseley, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moser, Ben Moses, Harry M. Mullen, Patricia Anne Mullen, Walter Raymond D.C. Mullen, Walter Raymond Normal University Muller, Raymond Carl Muller, Raymond Carl Muller, Raymond Carl Muller, Ardill George D.C.	A.B. 1929, Florida State College for			N.C.
North Carolina Moseley, James Cleyburne, Jr. Moseley, Martin Winn, Jr. Moseley, Virgie Pastel Moser, Ben Moses, Harry M. Mullen, Patricia Anne Mullen, Walter Raymond D.C. Mullen, Walter Raymond Normal University Muller, Raymond Carl Muller, Raymond Carl Muller, Raymond Carl Muller, Ardill George D.C.	Women		Mullarkey, James Patrick	Til
Moses, Harry M. Md. Mullet, Ardill George D.C.	B.S. in L.S. 1939. University of		Mullen, Lyle Ray	DC
Moses, Harry M. Md. Mullet, Ardill George D.C.	Manch Capalina		Mullen, Patricia Anne	DC
Moses, Harry M. Md. Mullet, Ardill George D.C.	Moseley, James Cleyburne, Jr.	D.C.	Mullen, Walter Raymond	Va.
Moses, Harry M. Md. Mullet, Ardill George D.C.	Moseley, Martin Winn, Jr.	D.C.	B.S. th Ed. 1939. Illinois State	
Moses, Harry M. Md. Mullet, Ardill George D.C.	Moseley, Virgie Pastel	Ga.	Mulles Parent Col	
Moses, Stella Margot Neeson D.C. Mullin, Barbara Y. D.C.	Moser, Ben	Va.	tributes, scaymonia Cari	
D.C. Mullin, Barbara 7. D.C.	Moses, Harry M.	Md.	Mullin Rashara V	D.C.
	Modes, Stella Margot Neeson	D.C.	rationin, baidata 1,	D.C.

Mullin, Eugene Francis, Jr.	DC.	Murphy, Patricia	D.C
A.B. 1945, Brown University Mullin, Helen Marie	50	Murphy, Robert Bernard	Wis
Mullin, Helen Marie	D.C.	Murphy, Thomas Harry	Ind
Mulling, Jack Mullinnix, Allen Prather	Ind.	Murphy, Thomas Joseph	D.C
B.S. 1919, United States Naval	And.	B.S. 1946, Franklin and Marshall	
Academy		College	000
M.S. 1928, Yale University		Murphy, William Malcolm Murphy, William Martin	DC
Mullins, Elwood Hatcher	Md.	Murphy, William Martin	NJ
Mullins, Jessie Edith Mullins, Walter Chesterfield Mullins, William Stanley	DC.	Murray, Charles Ambrose	Mass.
Mullins, Walter Chesterfield	Ky.	Murray, David Hugh B.S. 1939, East Texas State College	Tex.
Mullins, William Stanley	Tex.	Museer Helen Weller	W.Va
A.B. 1948, University of Texas	Pa.	Murray, Helen Holden	44.00
Mulloy, William P, Mulquin, Donna-May Sparks	D.C.	A.B. 1926, Marietta College Murray, Herbert Henry	Md.
A.B. 1917. The George Washington	D.C.	B.M.E. 1948, The George Washin	00100
University		University	18 10
Munan, Louis Pat A.B. 1948, The George Washington	D.C.	Murray, James Andrew, Jr.	S.C.
A.B. 1948, The George Washington		Murray, Malcolm Holden	W Va.
University	20.00	Murray, Richard Charles	1).C.
Munchberg, Leonard Joseph	D.C.	Murray, Robert Bruce	D.C.
Munchmeyer, Charlotte B.S. 1942, Wilson Teachers College	Va.	Murrish, Everett Clark	Ohio
Munekivo, Asa	Calif.	A.B. 1947, Harvard University Muse, Claude Revere, Jr.	DC.
Munger, Lorraine Junette	Va.	Muse, Claude Revere, Jr.	Pa.
A.B. 1948, The George Washington		Muse, George Read	Va.
University		Mushen, Robert Linton	A 100
Munn, John Irvin B.S. 1948, Indiana State Teachers	Pa.	B.S. 1914. Oregon State College	Vs.
B.S. 1948, Indiana State Teachers		Musick, Eliza Alice	D.C.
College	D.C.	Musselman, Ashby Milton B.S. 1947, University of Maryland Musser, Caroline Helen	
Munns, Constance Louise Munro, Catherine Chenoweth	Md.	Museer Caroline Hales	Ill.
Munroe, Alfred A	Kans.	Musser, Elia Bitner	Wash.
A.B. 1046 Municipal University of	25.0110.	B.S. 1923. University of Washingto	111
A.B. 1946, Municipal University of Wichita		Musseer, George Allen	
M.S. 1947, Syracuse University Munson, Thomas Richard Munter, Emil Junior Munyes, William		Mustard, Jay Ronald	D.C.
Munson, Thomas Richard	DC.	Musy, Edwin Raymond	D.C.
Munter, Emil Junior	Mich.	Mutchler, Thomas Edward, Jr.	Pa.
Munves, William	N.Y.	Myer, Lloyd Zuck	Va.
A.B. 1932, College of the City of New York		Myers, Billie Ray	Va.
New York New York Heisenstein		Myers, Charles Frank	D.C.
LL.B. 1036, New York University Murchison, David Claudius	DC.	Myers, George Albert, Jr.	Pa.
Murdock, Ben Joseph Murdock, James Henry Murdock, Joseph Boyd Murdock, Robert Barnard	Va.	Myers, George Robert	Md.
Murdock, James Henry	Va. DC.	Myers, Gloria Lucille	
Murdock, Joseph Boyd	3.1.1	B.S. 1948. University of Maryland	DC.
Murdock, Robert Barnard	DC	Myers, Hilda Sally	DC.
Murillo, Guisto Guerreto Murph, Daniel Shuford, Jr.	N. M.	Myers. Jacob Eugene	Va.
Murph, Daniel Shulord, Jr.	DC.	Myers, John Dallas, Jr.	D.C.
Murphey, Elton Ira, Jr Murphey, Randolph Clay III Murphy, Barbara Fuller Murphy, Charles Patrick	Tenn.	Myers, Marian Pilton	- 0
Murphey, Randolph Clay III	DC. DC.	A.B. 1927. Bryn Mawr College	D.C.
Muchy Charles Patrick	Md.	Myers, Mildred Ruth	D.C
B.S. 1935. Webb Institute of Naval	2480.	Myers, Paul Myers, Richard Ira	Pa. Pa.
			D.C.
Murphy, Eleanor Marguerite	DC. NY. DC.	Myers, Thad Prentice	Md.
Murphy, Frank Joseph	NY.	Myers. Thomas Ellsworth Myers. Virginia Anne Myers. William J. E. A.B. 1935, Ohio State University A.M. 1938, University of Pittsburgh	Md.
Murphy, Glenn William	DC.	Muses William I E	Man.
Murphy, James Palmer	12.	A R 1015 Ohio State University	
Murphy, Joan Ann	D.C.	A.M 1018. University of Pittsburgs	D.C.
Murphy, John Joseph	D.C.	Myerson, Jacob Myer	1,00
Musely John Joseph Je	DC	Myette, Thomas Waldo	Burms
Architecture Murphy, Eleanor Marguerite Murphy, Frank Joseph Murphy, Glenn William Murphy, James Palmer Murphy, Joan Ann Murphy, John Joseph B.S. 1947, University of Scranton Murphy, John Joseph, Jr B.S. 1945, University of Maryland Murphy, Joseph Alexander	D.C.		
Murphy, Ioseph Alexander	DC.	A.B. 1946, University College,	
Murphy, Joseph Logan	Va.	S CONTRACTOR OF THE PARTY OF TH	W Va.
Murphy, Joseph Alexander Murphy, Joseph Logan Murphy, Joseph Patrick Murphy, Joseph Patrick Murphy, Lawrence Massielles Murphy, Lawrence Patrick Murphy, Marison Emerson	Va.	Myles, Thomas Eberly A.B. 1947, West Virginia Institute of	
Murphy, Lawrence Marsielles	DC.	A.B. 1947, West Virginia	Ind.
Murphy, Lawrence Patrick	DC.	Lechnology	DC.
	Va.	Myrianthopoulos, Ntinos Cledvourov	N.Y.
B.S. 1922, United States Naval		Myrian(nopoulos, retinos	DC.
Academy	97.	Myrick, Donald Marshall	2
Murphy, Martin T.	Va.	Myrick, Joe H.	

N		Neill, John Hamilton, Jr.	Tex.
Made Della	20.0	A.B. 1947, A.M. 1940, Tulane	
Nacht, David Joseph	D.C.	University	~
Nacht, Frank Nachtigall, Juliana	D.C. Va.	Neiz, Arthur Charles Nelson, Betty Ann	Conn.
Nachtsheim John I	N.J.	Nelson, Carl August, Jr.	Mich.
Nachtsheim, John J. B.S. 1947. Webb Institute of Naval	14.3.	Nelson, Donald Sell	Conn.
		Nelson, Dorothy Christine	D.C. N.J. Va.
Nadeau, Frances N. Nadel, Sidney Nader, William, Jr.	Tex.	Nelson, Dorothy Christine Nelson, Edward Monroe	Va.
Nadel, Sidney	D.C. D.C. D.C.	Nelson, Erwin Ellis	Va.
Nader, William, Jr.	D.C.	A.B. 1914, A.M. 1916, Ph.D. 1920,	
Naecker, Priscilla Margaret	D.C.	University of Missouri	
Naecker, Priscilla Margaret Naeher, Willis Earl Naehle, Henry Emil Nagy, Alex Paul	D.C.	University of Missouri M.D. 1926, University of Michigan Nelson, Herman Francis, Jr.	
Nachle, Henry Emil	Md.	Nelson, Herman Prancis, Jr.	Mass.
Nagy, Alex Paul	Pa. Conn.	Nelson, James Olmstead Nelson, Kermit Chester	Fla.
Nahas, George Frederick Nahm, Doris	D.C.	Nelson, Marjorie Bonnie	Minn. D.C.
Nahme, Leonard Lee	D.C.	Nelson Mary Inne	Fla.
Naiden, Eulaine	Va.	Nelson, Raymond Edward	Va.
B.S. toat. University of Idaho		Nelson, Richard Dale	Nebr.
B.S. 1941, University of Idaho Nail, Edwin Starkey	Okla.	Nelson, Robert Ferdinand	Mich.
Nakashima, Sumio Nall, Berry Hudson, Jr. Nalls, John Willard, Jr.	Hawaii	Nelson, Robert George	D.C.
Nall, Berry Hudson, Jr.	Md.	Nelson, Sally True	Va.
Nalls, John Willard, Jr.	Md.	Nelson, Stuart David	Conn.
Namisnak, Stephen Nance, Ophir Carmal, Jr. Naper, Robert Erwin	N.Y.	A.B. 1948, The George Washington	
Nance, Ophir Carmal, Jr.		University Nemes, Michael Stephen	27.37
Naper, Robert Erwin	Oreg. D.C.	Nemeth, Joe	N.Y. Mo.
Napolitano, Benjamin	Va.	Nemir, Fred Robert	Tex.
Naquin, Frances Davis A.B. 1925, The George Washington	Va.	A D save Hainsenies of Torre	I CA.
University		Nershi, Michael Thomas Nesbitt, Betty Rae	Fla.
Nargizian, Andrew Antranig	N.Y. N.Y. N.C.	Nershi, Michael Thomas	N.I.
Nargiazian, Edward Arsen	N.Y.	Nesbitt, Betty Rae	N.J. Va.
Narrow, Artis Medlin	N.C.	Nesbitt, John	D.C.
Narrow, Artis Medlin Narrow, Wiley	E3 (.	Nesbitt, Mary Katherine	Kans.
A.B. 1935. Abilene Christian College Nash, Ruth Crandon		Nesbitt, John Nesbitt, Mary Katherine A.B. 1933, The George Washington	
Nash, Ruth Crandon	R.I.	University Nesline, John Francis, Jr.	37
Nasou, John Peter	Md.	Ness, Juell R.	Va.
A.B. 1947, University of Minnesota Nathan, Bernard	D.C.	Nestor, Rosalie Eleanor	S.D. D.C.
Nanghton Joseph Patrick	D.C.	Nethercott Mary Flinsberh	N.Y.
Naughton, Joseph Patrick Nauman, Charles Anton	Va.	Netterville, Victor Samuel	Ind.
Naumann, Bolton Francis	Md.	A.B. 1947, Indiana University Netting, Thomas Blackstone B.S. 1937, State Teachers College, California, Pa.	and.
Navratil, Charles Nossick	Md.	Netting, Thomas Blackstone	Va.
Naylor, Allen Clark	Md.	B.S. 1937, State Teachers College,	
Naylor, Guy Rodgers, Jr.	Md.	California, Pa.	
Neach-Alphonee, Alexander	D.C.	Neudorfer, Lawrence Sterling	N.Y. D.C.
Neafsey, John Francis, Jr.	Mass.	Neufeld, Arthur Irvin	D.C.
	Calif.	A.B. 1948, The George Washington University	
Neale, James Matthews	D.C.	Neuhauser, Charles William	DC
Nealon, James Dinneen	Va.	Neuhauser Ioan Lawrence	D.C.
Nearman, Richard Edward	D.C.	Neuhauser, Joan Lawrence Neuhauser, Robert Phillips Neukark, Alexander	D.C.
Neary, Edward Francis	D.C.	Neukark, Alexander	D.C.
Neary, John Matthew	D.C.	Neumann, Richard K.	Md.
Neary, Joseph Aloysius	D.C.	Neureither, Lawrence Anthony	Md.
Neary, Joseph Aloysius Nee, William John	Va.	B.S. in E.E. 1940, New York	
B.S. 1938, Marquette University Needleman, Frances Lee		University	
Needleman, Frances Lee	Pa.	Neuss, Cecile	D.C.
Neel, Katherine Ross	W.Va.	Neva, Edward	Tex.
A.B. 1948, The George Washington		Neveleff, Jerome Cooper	Conn.
University		A.B. 1941, Yale University	DO
Neely, James Curtis	Va.	Neviaser, Albert Edward	D.C.
Neely, Margaret Florence	W.Va.	Neville, James Edward Nevils, Florence Irene	N.M. Vt.
Neely, Margaret Florence Neenan, Elmer Bruno	Minn.	Nevin, John Irving, Jr.	Md.
Neff, Gladys Evelyn	Va.	New, Gregory Ryan	Ga.
Negus, Raymond Anthony	Md.	Newcomb, Margaret Elaine	Md.
LL.D. 1948, The George Washington		Newcomer, Ruth Alma	D.C.
University	-	Newell, Dorothy	Mich.
Neidorf, Sol	D.C.	Newell, Lewis	Va.
Neil, Clyde G.	Pa.	Newell, Robert Yates III	Va.
Neill, James McDow	D.C.	Newey, John Percy	D.C.

Newey, Samuel Ezra	D.C.	Nielsen, Jean Kelly	Va
Newhouse, Leroy Clark	Md.	B.S. 1939, A.M. 1943, The George	
Newkirk, George Francis	III.	Washington University	340
A.B. 1945, The George Washington	n	Nielson, Donald Clarence	Mo
University	Va.	A.B. 1946, University of Kansas Niemet, Emily Josephine Niemi. Viola Eleanor	111
Newkirk, LeRoy Newkirk, Roy Francis		Niemi Viola Flance	Mich
Newland, Howard Theodore	N J. Va.	Nigh, Evelyn Marie	Va
LL.B. 1940, National University		Nightingale, Jimmy Lewis	Okla
Newland, James Earl	DC.	Nikolorie, Suzanne Mills	Va.
Newman, Basha	D.C. N.Y. N.Y.	Niles, Jack Stone	D.C.
Newman, Jack Newman, Jack	1. 1.	Nimeroff, Bertram	N.Y.
Newman, Jack	N.Y.	B.S. in E.E. 1942, College of the City of New York	
B.S. 1939, College of the City of		City of New York	Pa.
New York	Md.	Nimeroff, Isadore	1 44
Newman, Jack Benton Newman, Wallace Lee	D.C	B.S. 1948, The George Washington University	
Newmyer, Armand	D.C. D.C. D.C.	Nimme, Murray Franklin	Va.
Newmyer, Armand Newnam, William Webster	DC.	Nimnom, Barbara Joy	DC.
Newport, Burl Freeman	Va.	Niner, Rosemary	W Va.
Newquist, Noel Clayton	Kans.	Nishimura, George Kazuo	Ohio
Newsome, George Marvin	Va.	Nisson, George Wendell	D.C.
Newton, Alma Louise	Va.	Nobel, John Phelps Nobel, Louis N	Pa.
A.B. 1945, Wake Forest College	DC	Nobel, Louis N	n.C.
Newton, Gordon Quincy	D C. N C. N C.	Noble, Robert William	D.C. N.Y.
Newton, James Robert Newton, Louis Knox	6.6.	Noble, Sheldon Allen Noble, William Oliver	Pa.
Newton Ruth Ida	Va.	Noffsinger, Bernice Katherina	Va.
Newton, Ruth Ida Newton, Walter Lloyd	Md.	Noffsinger, Grace Edmond	Va.
B.S. 1942, A.M. 1948, The George	е	Nohel, John Adolph	D.C.
B.S. 1043, A.M. 1048, The George Washington University		Nolan, John Francis	Mo.
Nezin, Etta Kena	D.C.	Nolan, Joseph Deglain	Va.
Nezin, Norman	DC	Nolan, Joseph Thomas	
Ng., Louis Hency	China	1.B. 1942, College of the Holy Cros	9
Nibecker, John Braids	D.C.	A.M. 1945, Boston University Nolan, Kathleen Mary	DC.
Nibley, Reed Smoot Nicalo, Ruth Elizabeth	Pa.	Nolan, Sally Marie	DC.
Nicholas, Edith Neidorf	Md.	Nolan, William Joseph, Jr.	Conn.
Nicholas, William	111.	Noland, Dewey Harrison, Jr.	Va.
Nicholas, William Nicholas, Yvonne	DC.	Nolen. Thelma Marie	Md.
Nichols, Aubrey Deane	DC.	Nolte, Albert Charles, Jr.	Mr.
Nichols, Frank Dean	W Va.	B.S. in Eng. 1943, Princeton	
A.B. 1946. The George Washington		University	DC.
University	Ky.	Nolte. Ann Elizabeth	DC.
Nichols, Harry Edwin Nichols, Louis N.	D.C.	Nolte, Carl Robert A.B. 1948, College of William and	
Nichols, Merrill Howard	Iowa	Mary	
Nichols, Reford Bond	Va.	Nonamaker, Charles Henry, Jr.	Pa. p.C.
Nichols, Robert Lee	III.	Nones. Walter Lohmann	1116.
Nichols, Warren James	Md	Noonan, John Thomas	/X/
Nichols, William DeWayne	Iowa	Noonan, Joseph David	14:1
A.B. 1947, Grinnell College		Nordham, George Washington	NY
Nickels, Nellie Louise	Va.	Nordholm, Eric Grezz	lows
Nickerson, George Willis	Okla.	Nordquist, Dean Anthony	Oreg.
Nickey, Henry E.	Pa.	Noren, Morris Keith	
Nickey, Henry E. B.S. 1020, Pennsylvania State Colle. Nicodemus, Carol Elizabeth Nicodemus, Donald Eugene	Ohio	A.B. 1048, University of Oregon	N.Y.
Nicodemus, Carol Elizabeth	Unio	Norman, Daniel Abraham	MJ.
Nicodemus, Donald Eugene	D.C.	Norman, George	
Nicol, Barbara Louise	Hawaii Md.	A.B. 1947. Western Maryland College	Va.
Nicolaides, Manuel Mike B.S. 1943. University of Maryland	2014.	Norman, Lilliam L Norman, Richard Arthur	D.C.
Nicolaysen, Inger Liv	Norway	Normandeau, Keith Joseph	Minn.
Nicolia, Vincenzo Antonio	N. A.	Norment, Mary Hillyer	pc.
Nicolopoulos, Diana Georgia	NY. DC.	Norment, Nancy Richards	Md.
Niden, David	D.C.	Norrington, Frances Taylor	D.C.
B.S. in Ed. 1918. Kutztown State	D.C.	Norris, George Carey	Md.
B.S. in Ed. 1918, Kutztown State Teachers College, Pa.		Norris, George Francis	D.C.
Niederstrasser, Robert Edward	Va.	Norris John Gilbert	10.0
Niefeld, Herbert	D.C.	A.B. 1931, LL.B. 1933, The George	
Niehuss, Jacob Clark	Ala.	A.B. 1931, LL.B. 1933, The George Washington University	D.C.
A.B. 1940, University of Alabama	-	Norris, Joseph Kieffer	D.C.
Nielsen, Florence E.	D.C.	Norris, Kalliope Cleo	

h?			
Norris, Lawrence Geoffrey	Ell.	Oakley, George D,	Hawaii
D.S. In P. E. 1947. University of		AB 1948. University of Hawaii	REMWEIL
Norris, Willa		Oberdorfer, Elizabeth Weil	D.C.
B.S. 1934. University of Nebraska	Nebr.	A.B. 1919, Smith College	
		Obermier, Edith Theresa	N.Y.
	Va.	Obermer, John Nicholas Oberreuter, Paul	
	D.C.		N.Y.
	D.C. N.Y.	A B. 1940, Manhattan College Obershain, Carry Cooper	5.0
A.B. 1917. Elmira College Northup, Graham Theodore		Obias, Sarah	DC.
Northup, Graham Theodore	D.C.	Oblazney, Andrew Anthony	Cuba
	Md.	Obley, Robert William	D.C.
Norton, Hugh Stanton	Nev.	O'Brian Edward Day	low2
A.B. 1947, A.M. 1948, The George Washington University		B.S. in Ch E. 1947, Iowa State Coll O'Brian, Evelyn Kuntz	ege
Norton, James Richard	Md.	O'Brian, Evelyn Kuntz	Iowa
Washington University Norton, James Richard Norton, Maurice Edwin, Jr. Norton, Mirram Norton, Murael Jean Norton, Varginia Symns A.B. 1927. University of Missouri Norvell, Robert Joseph	D.C.	O'Briant, Paul William, Jr. A.B. 1948, University of North	D.C.
Norton, Miriam	Mass.	Carolina Chiversity of North	
Norton, Muriel Jean	D.C.	O'Brien Anthony Alovaina	50
A D. Virginia Symns	D.C.	O'Brien, Anthony Aloysius Obrien, Betty Marie	D.C.
Norvell Bal niversity of Missouri		O Brien, Denis John	Minn.
Norvell, Robert Joseph B.S. 1947. University of Wisconsin Norwitz Marrin	Wis.	B S. 1947, Georgetown University	Minn.
Norwitz, Marvin	241	O Brien, Edith Loretta	D.C.
	Md.	O'Brien, Francis Eigene	Ohio
Norwood, Mary Lowrie	DC. Md.	O'Brien, Frank James, Jr.	N.Y.
Norwood, Mary Lowrie A.B. 1948. The George Washington	MIG.	O'Brien, George Gerald	Md.
University Washington		A.B. 1937, Atlantic Union College A.M. 1938, Boston University	
Nothstein, Charles Lewis	Okla,	O'Brien, James Dennis	200
Notz William Al	D.C.	O'Brien, Margaret Marion	D.C.
BS 1042 Hannal II	D.C.	O Brien, Ralph Vincent	Md.
Nott, Joseph George Nott, Joseph George Notz, William Alan B.S. 1943. Harvard University Novakovich, Dan Novakovich, Nada Nover, Naomi Goll	27	O'Brien, Richard Givnn A B. 1949. The George Washington	D.C.
Novakovich, Nada	Pa.	A B 1949. The George Washington	
Nover, Naomi Goll	Nev. Md.		
B.S. in Ed. 1914, State Teachers	TATCI.	O'Brien, Robert John O'Brien, Tatiana	N.Y.
College, Buffalo, N.Y.		A B. 1946. The George Washington	D.C.
B.S. in Ed. 1914. State Teachers College, Buffalo, N.Y. Novy, James Samuel	Conn.	University Coolige washington	
Nowak, Leopoldina Antonie A.B. 1947. The George Washington	III.	O'Brien, William John B S 1942. Tufts College Ochipinti, Samuel Joseph O Connell, Ann Marie O'Connell, James Leo A B	14
University University		BS 1942. Tufts College	Mass.
Nowell Jessie Rurch	97	Ochipinti, Samuel Joseph	N: 1
B.S. 1939. Wilson Teachers College	Va.	O'Connell, Ann Marie	NJ.
B.S. 1919, Wilson Teachers College Nowicki, Alfred Theodore Nowland, Marian Clymer	Pa.	A R Lord No.	Conn.
Nowland, Marian Clymer	Md.	A B 1946, Niagara University O'Connell, John Joseph O Connor, Ajele Rae	
Nubbe, Virgil George Nager, Caswell Gordon	Minn.	O Connor. Airle Rac	Va.
Nuhn John Alf-1	Md.		D.C.
Nuhn, John Alfred A.B. 1947, The George Washington	Md.		Va.
University University		O'United Dates	D.C.
Nuhn, Richard Louis	-		D.C.
Nunn, Joe Alexander	D.C.	U Connor, Edward John Te	Va. D.C.
Nusim, Florence	W.Va.	O'Connor, Isabelle H.	Kans.
A.B. 1015 Cornell University	Pa.	O'Connor, James Joseph O'Connor, James Vincent O'Connor, Patricia Ann O'Connor, Richard Leo O'Conor, James Atlee	MJ.
A.W. 1047 Columbia Hairrain		O'Connor, James Vincent	N.Y.
. Tussuaum. George Laube	DC	O'Connor Picker 1	D.C.
NUID. E. Jeonore India	D.C. N.Y.	O'Conor James Aslan	D.C.
Alliter Joseph Will' 7			Va.
	R.I.	O'Day, John Bartholomew O'Dea, Patricia Ann	Hawaii
	Kans.	O'Dea, Patricia Ann	DC.
N Derg Frnest Wilman	Va.	A B. 1948. Dunbarton College O'Dea, Patrick Lawrence	D.C.
Syce, James Carroll	D.C.	O'Dea, Patrick Lawrence	DC
Nyee, James Carroll Nye, Nona Woldow	Md.	D.S. 1940, The Creoree Washington	D.C.
NYRAID, John C.	Va.	University	
Nyhagen, Donald Richard	O 111	O'Dell I Tomas Emmett	D.C.
D.S. 1944. University of California	Catter,	O Dell, Jessie Elizabeth	Va.
Los Angeles		O'Dea, Thomas Emmett O'Dell, Jessie Elizabeth Odineal, Maty Louise O'Donnell, Anne Hedwig	D.C.
0			D.C.
0		B.S. 1947, Wilson Teachers College O'Donnell, Catherine Marie O'Donnell, Edward Joseph	
Oakes, Edmund Ignatius, Jr.	0.0	O'Donnell, Edward Joseph	Pa.
Oakes, Walter Foster, Jr.	D.C.	D.S 1929, United States Warral	Mass.
311	Va.	Academy	

O'Donnell, Francis Joseph	N.J. D.C. D.C.	Ollice, John H.	V
O'Donnell, John Gratton	D.C.	Olmert, Robert Francis	D.
O'Donnell, Joseph Michael	D.C.	Olmie, Carlyne Mae	AI V V
O'Donnell Vincent Len	Pa. Pa.	Olmstead, Normand Henry	V
O'Donnell, John Gratton O'Donnell, Joseph Michael O'Donnell, Robert Emmett O'Donnell, Vincent Leo O'Donnell, William Hennington	D.C.	Olmsted, George Leauitt Olmsted, Maxine Blakemore	34
O'Donoghue, William Henry	D.C.	A.B. 1011. University of Washington	0
Odza, Hugh Malcolm	Pa	A.B. 1931, University of Washington O'Loughlin, Frank Xavier	D.(
A.B. 1947, Pennsylvania State Co Offenbacher, Hurlay Francis Offenbacher, Thomas Ralph, Jr.	ollege_	Ulsavsky, Steve Anthony	D.(
Offenbacher, Hurley Francis	D.C.	Olsen, Benjamin C.	D.0
Offield, Vonna Watson	D.C. Va.	Olsen, Christopher Olshaker, Gertrude Edith	D.(D.(
B.S. 1918, Northeast Missouri State		B.S. 1944, Wilson Teachers College	
Teachers College, Kirksville, Mo.		Olshaker, Irving Herman	D.C
Offutt, Eleanor Rebecca	D.C.	Olshaker, Irving Herman Olshaker, Thelma A	
O'Flaherty, Barbara Jean	Va.	B.S. 1947, Wilson Teachers College Olshin, John Seymour Olshin, Seymour Samuel	N.Y N.Y N.D
O'Flaherty, Daniel Fairfax	Va. Pa.	Olshin, John Seymour	N.Y
O'Friel, Edward Waters Oftedal, Richard Hallard	DC	Olson, Darwin Leander	
Ottedal, Sverre John, Jr. A.B. 1942, Occidental College O'Gara, Roger William A.B. 1948, The George Washington	D.C.	B.S. 1941, North Dakota Agricultura	4
A.B. 1942, Occidental College		College	N.D
U Gara, Roger William	Mass.	Olson, Esther Clarine	N.D.
University		Olson, Leonard Emanuel Olson, Lorene Nelson	D.C
Ogburn, Mary Cornelia	Va.	A.B. in Ed. 1911. The George	
A.B. 1945, Sarah Lawrence College		Washington University	Mins
A.B. 1945, Sarah Lawrence College Orden, Elaine Louise	lowa	Olson, Lucille Marie	Va.
Oglesby, Nicholas Ewing, Jr. B.S. in Ch.E. 1941, M.S. in Ch.E. 1947, Rensselser Polytechnic	N.Y.	Olson, Richard Edmund	Minn Va D.C. D.C. Md.
D.S. IS Ch.E. 1943, M.S. IS Ch.E.		Olson, Richard Lionel	D.C.
Institute		Olsson, Charlene Elizabeth Olszewski, Doris Morgan	N V
Oglesby, Sam Walker O'Hara, Edward Michael	Ga.	Olszewski, George John	N.Y.
O'Hara, Edward Michael	Minn.	Olszewski, George John Olverson, John Benjamin	
O'Hara, John Joyce Oheim, William Russell	D.C.		
Ohl, Robert Franklin	D.C.	LL.B. 1939, LL.M. 1941, Georgetows	91.
Obliger, Dorothy Louise	Va. D.C.	University O'Malley Marguerite Ann	R.I. D.C. N.C.
Ohliger, Dorothy Louise Oiesvold, Einar Bernhard	Norway	O'Malley, Marguerite Ann O'Meara, William Raymond	N.C.
Oishi, Masaichi	Hawaii	O'Neal Barbara lean	Mign.
O'Keef, John Edward	III.	O'Neal, James Ormiston O'Neal, Mary Lee O'Neal, Thomas Gregs	W.Va.
O'Keefe, George Aloysius	Mass. D.C.	O'Neal, Mary Lee	A No.
O'Keele, John Joseph A.B. 1948, University of Southern	£/.C.	B S 1020 The Citadel	
California		B.S. 1929, The Citadel A.M. 1935, New York University O'Neal, Victor Thomas	Okla
O'Keele, Mary Frances	Pa.	O'Neal, Victor Thomas	Va
Okerson, Glenn Woodrow	Okla.	O'Neale, William Leroy O'Neil, Betty Wood	Ga.
B.S. in E.E. 1935, University of		O'Neil, Betty Wood	A a-
Okopinski, Charles Paul	Va.	O'Neill, Charles James B.S. 1934, A.M. 1940, New York	
Olds, Mary Leland	D.C.		D.C.
U Leary, Cornelius William, Jr.	Fla	O'Neill, Daniel Joseph Puert	o Rico
U Leary, John Francis	D.C.	University O'Neill, Daniel Joseph O'Neill, Patrick Joseph O'Neill, Robert Daniel O'Neill, Robert Laneel	Md.
A.B. 1948, The George Washington		O'Neill, Robert Danies	Md.
University O'Leary Mary Jean	D.C.		Pa.
O'Leary, Mary Jean A.B. 1946, The George Washington	2.0.	Onufrak, John Joseph	Mass.
University		Ong, Harry Alfred, Jr. Onufrak, John Joseph Oparowski, Walter Emil	Vs.
O'Leary, Rawlin Eugene Olenik, Joseph Eugene Olif, Edward George	Utah	(DDD, William Kussen	A 194
Clenik, Joseph Eugene	Pa.	Opperman, Lillian Eble	Okla.
Olin, Wilber C	D.C.	Opsal, Lewis William	Ark.
Olinto, Peter, Jr.	Fla		N.J.
Oliver, Edward Eugene	D.C	Ordille, John Everett	W.Va.
Oliver, Elizabeth	13.6	Ordille, John Everett Orebaugh, Andrew Edward Oredsson, Tore Per Gabriel B.C.E. 1941, The Technical University of Stockholm O'Paille, Kathrya Louise	weden
Oliver, Emery Eugene, Jr.	D.C.	Oredsson, Tore Per Gabrier	
Oliver, Gertrude Chesley Oliver, Lloyd Gilbert	D.C. D.C.	University of Stockholm	Cons.
Oliver, Phyllis Irene	Oreg	O'Reilly, Kathryn Louise	
Oliver, Wallace Bryan	Va	O'Reilly, Kathryn Louise B.S. 1932, Mount Saint Vincent	261
Oliver, William Palmer, Jr.	Mo.		Md.
Oliver, William Palmer, Jr. A.B. 1941, University of Missouri		O'Reilly, Marjorie Holen	N.Y.
Univieri, Americo Caristopaer	D.C.	Orenstein, Herbert Orenstein, Marilyn Claire	2-11
Ollendorf, Donald	Va.	Orenstein, marny	

Orlando, Anne Marie	NIV	O'Toole Hesula Flizabeth	Mich.
Orleans, Joan Lorelei	D.C.	O'Toole, Ursula Elizabeth Ott, Iva Murriel	D.C.
Online 17.	D.C.	Off' LAN IATULIEL	D.C.
Orlin, Hyman	N.Y. D.C. N.Y.	Ott. Katherine A. B.S. 1934. Western Reserve Universities Corge Robert Otterman, Harvey Boyd, Jr. Ott. Christe Lee	Va.
B.B.A. 1942, College of the City of New York		B.S. 1934, Western Reserve Univers	sity
New York		Otte, George Robert	Md.
Orloff, Leonard Mark Orloff, Milton	DC	Osserman Harvey Boyd Jr.	Vt.
Orloff Milton	D.C. D.C.	Otti, Charles Leo	Calif.
Onlaw Tr. 14	D.C.	Otti, Charles Deo	Codition.
Orlove, Harold Orlove, Henry	Pa.	Otting, William Joseph, Jr. B.S. 1946, The George Washington University	Md.
Orlove, Henry	D.C.	B.S. 1946, The George Washington	
Ormasa, Anthony John	Va.	University	
A.B. 1940, University of California Ormond, William Berkeley		Otto Frederick Franklin	Md.
Octave of Philips of Chillothia	3.7.1	A.B. in S.E. 1948, Shepherd Colleg Otto, Ingolf Helgi Elfried	24841.
Ormond, William Berkeley	Md.	A.D. in S.E. 1940, Shepherd Coneg	C .
Ormsbee, Charlotte F. Ornstein, Renee Marilyn Orr, Warren Harry Orr, William Baxter	D.C. D.C.	Otto, Ingoli Reigi Eliried	Ohio
Ornstein, Rence Marilyn	D.C.	A.B. 1941. University of Cincinnati Ouellette, Lucille Tyler	
Orr. Warren Harry	Va.	Quellette Lucille Tyler	D.C.
Ore William D.	Tex.	Oulickey, Mildred Alvina	Minn.
OII, WILLIAM DARKET		Outlickey, Milliored Alvina	ATTITUTE.
Ortega, Carlos J. Ortelani, Frank Richard	N.M.	Overmiller, Eugene Allen Overstreet, Phoebe Lucille	D.C. D.C.
Ortelani, Frank Richard	Pa.	Overstreet, Phoebe Lucille	D.C.
BS 1044 BS in Ch F 1048		A.B. 1943. The George Washington	
B.S. 1944, B.S. in Ch.E. 1948, Pennsylvania State College		University	
Constitution State College	37	A.M. 1945, Wellesley College	
Osann, Robert	Va.	A.M. 1945, Wellesley College	
B.Ch.E. 1943, Rensselaer Polytechni	C	Owaroff, Martha Adelaide	Va.
Institute		Owen. Cody Horace	D.C.
Osborn, Ilah Traver	Va.	Owen, Frances Chandler	Va.
DC 1010 Orace Come C 11	7	B.S. 1932, Woman's College of the	V =.
B.S. 1929, Oregon State College Osborne, Phillip Wallace	DC	D.S. 1932, Woman's Conege of the	
Osborne, Phillip Wallace	D.C.	University of North Carolina	
Oscanyan, Paul Christopher III	Va.	Owen, George Morgan	Va.
Oscar Jean Sonwa	D.C.	Owen, Richard Roberts	Ind.
Oscar, Jean Sonya Osheroff, Milton	N.Y.	Owen. Thomas McAdory	Ala.
D.C. IVINION	24.21	O William Edison	DC
B.S. 1939. College of the City of		Owen, William Edison LL.B. 1948, The George Washington	D.C.
New York		LL.B. 1948, The George Washington	
Osheroff, Samual	D.C.	University	
Oshinsky Betty Joan	D.C	Owens, Clarence Julian	D.C.
Oshinsky, Betty Joan Osinski, Peter P.	D.C.	Owens Helen Vincent	Wyo.
Osmski, Feter P.	2.0.	Owens, Helen Vincent	W y O.
A.B. 1940, Catholic University of		Owens, Helen Vincent A.B. 1941, The George Washington	
America		University	
Osman, June Naomi	D.C.	Owens, Jack Owens, Katharine Greene	W.Va.
Osovitz, Evelyn	Md.	Owene Katharine Greene	Tex.
A.D Courbes College	00000	A D sout Smith College	aca.
A.B. 1943, Goucher College	3.7 7	A.B. 1946, Smith College Owens, Marcus Orlando, Jr.	700
Ostatnik, Stephen Frederick	N.J.	Owens, Marcus Orlando, Jr.	Tex.
Otatnik, Stephen Frederick A.B. 1949, Wittenberg College Ostergren, Charlotte Mae Osterman. Herbert William		Owens, Muries Dernice	Wash.
Ostergren, Charlotte Mae	D.C.	Owings, Ruth B.S. in Mus. 1928, Furman University	S.C.
Osserman Herbert William	Mich.	RS in Mus 1028 Furman	0.0.
D.C. and Hairmanita of Michigan		El in the state of	
B.S. 1944, University of Michigan LL.B. 1948, The George		University	-
LL.B. 1948, The George		Oxendine, Heaverd Dobber	D.C.
Washington University		Oxfeld, Jack	Pa.
Ostheff, Hazel Jean	Kans.	Oxholm Axel Waldemur	DC
Ostrich, Ralph	D.C.	Orley John Edward	D.C.
Ostricii, Kaipu	37-	Oxiey, John Edward	D.C.
Ostroff, Alvin	Va.	Oxholm, Axel Waldemur Oxley, John Edward Oyley, Eather Lucile A.B. 1945. Sterling College	Pa. D.C. D.C. D.C.
Ostrom, Gene Francis Ostrom, Walter Roy	D.C. D.C.	A.B. 1945, Sterling College	
Ostrom Walter Roy	D.C.	Ozburn, Ernest Eugene	Ga.
Ostrona Restrem Inc	N.Y.		
Ostrove, Bertram Ira	Mass.	Ozier, Leslie Grady	D.C.
O'Sullivan, John Maurice	TAT 322'		
Oswald, Betty Jane	N.Y.	The state of the s	
Oswald, Elizabeth Janet	N.Y. Va.		
RC sace University of Maryland		Paulow Toronh	D.C.
B.S. 1937. University of Maryland		Paalow, Joseph	Die.
M.S. 1947. The George Washington		B.S. 1945. University of Pittsburgh	
University		Paape, Ronald Charles	Minn.
Oswald, Jean Louise	D.C.	Pace, James Earl	Md.
		Pace, Moody Anderson	D.C.
A.B. 1948, The George Washington			137
University	-	Pacholski, Angeline Agnes	Wis.
Oswald, William John, Jr.	Pa.	Paciga, John Joseph	Pa.
Oswalt. Thelma Grey	D.C.	Packard, Raiph John	Va.
A.B. 1928, Mississippi State College		Packer, Ellis Reed	D.C.
1. 1920, Mississiphi Diate College			No.
for Women	20.0	Pacl. Thomas Rudolf	Va.
Otero, Arnaldo	D.C.	Padberg, Jerome Frederick	Mo.
Otero. Luis Ravi	D.C.	Padbury, Harry Rines	Maine
	D.C.	Paddock, Marianna	IB.
Otero, Robert Luis	201		A11.
Otis, Leroy Maurice	Md.	A.B. 1933, University of Michigan	
B.M.E. 1914, Colorado School of		Padgett, Edward Riddle	Md.
Mines		A.B. 1947. Johns Hopkins University	
O'Toole, Stephen James	Va.	A.B. 1947, Johns Hopkins University Padgett, Sarah Eleanor	N.C.
De la Fil		D. Jill. Correc Mari-	D.C.
B.S. in Ed. 1940, Fordham Universit	ty	Padilla, George Mario	D.C.

Pagan, Katherine	D.C.	Park, Helen Dorothy	1
B.S. 1938, Wilson Teachers College	241	B.S. 1946, The George Washington	
Page, Aileen Coolidge	Md, D.C.	University	1
Page, Helen Bell A.B., LL.B. 1948, The George	D.C.	Park, Lee Crandall B.S. 1042 Vale University	
Washington University		B.S. 1947, Yale University Park, Mary Ellen	71
Page, William Hasbrouck	Va.	A.B. 1947, Bucknell University	DI
Pagter, Amos Townsend	D.C.	Parker, Charles Dewey	D.I
Pagter, Elizabeth Eugenia	D.C.	Parker, Clair Francis, Jr.	Te
A.B. 1945, The George Washington		Parker, David Eric, Jr. Parker, Edward Patrick	D.
University Paidakovich, Matthew Joseph	Md.	Parker, Everett Alton	D.(
Pailas, Themis Constantine	D.C.	Parker, George Alton	- 7
B.S. 1948, Washington University		LL.B. 1939, The George Washington	3
Paine, William Howard	Calif.	University	0.6
Painter, Eleanor M	Pa.	Parker, Harold Curtin	Di
Painter, Merle Elmer	D.C.	Parker, James Brandon	1)(
B.S. in Ec. 1942, University of Pittsburgh		Parker, James Coy, Jr Parker, Jane Montgomery Parker, Jane Timmona Parker, Janice Carolyn	DU
Paisley, Elizabeth Ann	Va.	Parker, Jane Timmons	1) 0
Paisley, Elizabeth Ann Paiva, Walter Teixeirg	Mass.	Parker, Janice Carolyn	Di
Pakis, Gloria Alexander	DC.	Parker, John Elliott Parker, Katherine Virginia	10
Pakravan, Sarah	Iran	Parker, Katherine Virginia	NI
	rto Rico	Parker, Louise Buell	
Palder, Edward Lawrence Pale, Joseph Jeffries	D.C.	A.B. in Ed. 1947, State Teachers College, Potsdam, New York	n C
Paleologos, Peter Harry	D.C.	Parker, Muriel Mary	DC
Palmasani, Daniel Robert	D.C. D.C. D.C.	Parker, O. B.	KA
Palmer, Arthur Andrew, Jr.	Va.	Parker, O. B. Parker, Ralph Woodford	
B.S. 1948, University of Maryland	200	A.B. 1919, Georgetown College	Mid
Palmer, Frank Conrad, Jr.	D.C. Md.	Parker, Richard Dale	DC
Palmer, Frank Patterson, Jr.	Va.	Parker Sarah Ann	DC
A.B. 1925, The George Washington		Parker, Thomas	18:15
Inimerally		Parker, Virginia Mae	
Palmer, John Gilbert	Md.	A.B. 1941, University of Wisconsin	
Palmer, John Gilbert Palmer, Robert Edward Palmer, William Colton Washington	Calif.	Parker, Richard Dale Parker, Richard Ferman Parker, Richard Ferman Parker, Thomas Parker, Virginia Mae A.B. 1941, University of Wisconsin A.M. 1948, University of California Parker, William Axel B.S. 1948, University of Illinois Parkes, James Lloyd Parkin, William Royal Parkin, William Royal Parkinan, Kenneth Wells	ĮĮI.
Palmer, William Colton	Md.	Parker, William Axel	2 6 455
A.D. 1948, The George Washington		Parker James Hand	1/1
University Palmes, Douglas Edward	Va.	Parkin William Royal	Md
Palmes, Lowell Richard	DC.	Parkinson, Kenneth Wells	Ind
Palta, Hardey Singh	India	Parkinson, Robert Leslie	Calif
A.B. 1957, Ludhiana College, India		Parks Albert Renning	
A.B. 1957, Ludhiana College, India Palting, Luidita Castro	D.C.	A.B. 1945, The George Washington	pc
Pan, Chao Sung	China	University	Okla
Pan, Chao Sung LL.B. 1943, Soochow University Pennantus Charles Michael	Mass.	Parks, Evelyn Cole	DC.
Panagakos, Charles Michael Panagos, Peter Anthony	D.C.	Parks, James Theodore Parks, Thomas Alvin	-
Panagos, Feter Anthony	Conn.	B.S. 1948, Georgia School of	-17
Panasewich, Walter Pandiscio, Nicholas Anthony	Mass.	Technology	111.
B.S. in Ch.E. 1947. Northeastern		Parloff, Morris Bernard	
University		Parloff, Morris Bernard A.B. 1940, A.M 1941, University of	Chic
Panettieri, Robert	N.Y.	Chicago Parman, Nora Jean	DC
Pannill, William Eliason	DC.	Parmele Ralph Owen	Dr
Panor, Marie	DC.	Parmenter, Kathleen Maud	Dr
Panossian, Haig Aram	DC.		Va Va
Pantelias, John Pantol, Clare Winifred	NY. NY.	Parojinos, Simplicio Cuyno, Jr. Parrish, John Poindexter	N.M.
Pao, Wen Nien	Mass.	Parrish, John Poindexter	14.
AR toss The University of	AARWADA.	Parrish, Lloyd Withers B.S. 1912, United States Naval	_
Nanking, China		Academy	DC.
A.B. 1925. The University of Nanking, China Papamichael, Michael Damianos	Egypt		Va.
Papazogiou, Mary	Conn.		D'C.
Pape, Robert Bruce	N.Y.	Parrott, John Aubrey Parry, Eleanor Elizabeth A.B. 1941, Taylor University Parry, James Davidson Parry, Daniel Elwood	
Pappafotis, Spero John	DC.	Parry, Eleanor Elizabeth	pc.
Pappas, Leo Basil	NY.	A.B. 1941, Taylor Ontra	310
A.B. 1943, High Point College Pappas, Stavros Steve	D.C.	Parry, James Davidson	pc
Paradiss, Noel Edwin	DC.	Paragra Flizabeth Newton	MIS D.C.
A.B. 1948, University of Maryland	DC.	Parsons, Elmer Ermon, Jr.	DC.
Paravati, Joseph William	D.C.	Parsons, Mary Persis	

Partanen, John Emil	Ariz.	Patty Clarence Ralph Ir	Va.
RC in ME	Arrix.	Patty, Clarence Ralph, Jr. B.S. in E.E. 1940, University of	4 411
B.S. in M.E. 1941, University of		D.S. IN E.E. 1940, University of	
Arizona		Tennessee	2.61
Partridge, Frances Jane	Va.	Paul. Albert Franklin Paul. Alvin Wilson	Md.
aspach, Lawrence Kobert	Mich.	Paul, Alvin Wilson	N.Y. D.C.
Paschal, Buford Haran	Ala.		D.C.
Paschall John Wester Te	Ark.	Paul, Dorothy Elizabethe A.B. 1942, University of Kentucky Paul, Howard Cochran	Ind.
Paschall, John Wesley, Jr. Pasco, Nicholas Daniel	Mass.	AR 1042 University of Kentucky	
Passuela Mareta Pitta	Pa.	Paul Howard Cochean	Pa.
Pasquale, Matthew Richard	Fa.	Parl I - Day Carrage	
Pasternack, Ann	Va.	Paul, LeRoy Spencer	D.C.
Pasternak, Robert	N.Y.	Paulding, Clayton Alpha Paulette, Edward Wiltse	Mass.
A.B. 1936, University of Wisconsin		Paulette, Edward Wiltse	Va.
Pasternak, Stephen	W.Va.	A.B. 1932, Hampden-Sydney College	e
Pasternak, Stephen Pasternak, Walter Paul	W.Va.	A.B. 1932, Hampden-Sydney Colleg A.M. 1943, University of Maryland	
A P tota Caller Caller		Paulish, Eugene Bernard Paulos, David Theodore	Pa.
A.B. 1942, Salem College Pastie, Peter John	Mass.	Paules David Theodore	DC
Fastle, Peter John	INTERN.	Dallas William Wasses	D.C.
Paston, Greta Mina	N.Y.	Paulsen, Wilbur Harper Paulson, Norman Clarence	D.C.
Pastor, Sylvia I.	Ohio	Paulson, Norman Clarence	S.D.
Pastoriza, Ralph Babcock	N.Y.	Pauly, Mary Permelia	Mo.
B.S. 1944, California Institute of		RS 1046 College of William and	
Technology		Mary Pavelko, Walter Russell Pavia Joseph Antonio	
Post-i-l Con A- I	D.C.	Pavelko Walter Russell	DC
Pastrick, George Andrew		Pavia, Joaquin Antonio	D.C. N.Y. Pa.
Patch, Richard Lloyd	Va.	Daviel John Nicholas	D.
Patch, Robert John	D.C.	Pavice, John Iviendias	Pa.
Patch, Robert John B.S. 1948, University of Michigan		Pavis, Celia Kirshner	Del.
Patchan, Michael	Va.	Pavick, John Nicholas Pavis, Celia Kirshner Pavis, William Walter Paviat, Robert Kendall Pavlu, Lawrence Kenneth	D.C.
Patermantes Cons Consumes	D.C.	Pavlat, Robert Kendall	MIG.
Patermaster, Gene Cressman A.B. 1947, The George Washington	2.0.	Paylu, Lawrence Kenneth	N.J.
A.B. 1947, The George Washington		Pawley, Morris Nellson	Va.
University	-	Payne Albert Alford	Tex.
Paternoster, Joseph Anthony	D.C.	Pawley, Morris Nellson Payne, Albert Alford A.B. 1942, The George Washington	aca.
Patlen, Bernard Leonard	D.C.	University	
Patnode, Charles Hunt	Vt.	D Posic Louise	T
A.B. 1935, University of Vermont		Payne, Bettie Louise	Tex.
Passick Washington	D.C.	A.B. 1940, Texas Technological	
Patrick, Kenneth Washington	2.0.	College	
B.S. 1937, United States Naval		Payne, Bruce McCollum	Va.
Academy		Payne, Francis William	Va.
M.S. in E.E. 1946, Massachusetts Institute of Technology		Payne, Francis Xavier	Md.
Institute of Technology	arm.	Payne, Harold Wilson	Va.
Patsavas, Constantine Chris	III.	Payne Joyce Lee	Va.
Patten Cornelia Golding	D.C.	Payne, Joyce Lee Payne, Ralph Lucian	Va.
Patten, Stanley Fletcher, Jr. Patterson, Bradley Hawkes, Jr. A.B. 1942, A.M. 1943, University of	D.C.	Dames Dahart Danas	WE ST
Descense Bradley Hawken Is	Mich.	Payne, Robert Roscoe	W.Va.
A D and A M some University of	f degrees.	A.B. 1941, Shepherd College Payne, William Darby	
A.D. 1942, A.M. 1943, Oniversity of	•	Payne, William Darby	D.C.
Chicago	9.2	Peacock, Carl Leroy Peacock, Harold	Md.
Patterson, Carrie Elizabeth	Va.	Peacock, Harold	Ala.
Patterson, Dolores Marie	N.J.	A.B. 1941, Columbia University Pear, Bertram Lincoln	
Patterson, Ernest Harold	Pa.	Pear Bertram Lincoln	Colo.
B.S. 1942, Temple University		AR 1042 The Cooms Washington	Coro.
Description Could Description	Md.	A.B. 1947, The George Washington University	
Patterson, Gayle Devon			
Patterson, Ila Lucille	D.C.	Pear, Leon	Md.
A.B. 1936, Converse College		B.S. 1947. University of Maryland	
Patterson, John Edward	Tenn.	Pearce, Franklin Lee	Kans.
Patterson Insenh Clarence Ir	Pa.	Pearce, James DeRemer III	Fla.
Patterson, Joseph Clarence, Jr.	Iowa	Passa James Tuckes	
Patterson, Joseph William		Pearce, James Tucker	Conn.
Patterson, William Amos	D.C.	Pearcy, Klyne Francis	D.C.
Patterson, William Henry	Mo.	Pearcy, William Kenneth	Mo.
Patterson, William Henry Patterson, William Strong	D.C.	Pearlman, Belle	D.C.
Dance Asshur Corden	Va.	Pearson, Beverly Stocking	D.C.
Patton, Arthur Gordon	V 4.	A.B. 1940, Vassar College	2.0.
A.B. 1940, Erskine College A.B. 1946, Yale University		n.b. 1940, Vasial College	2.01
A.B. 1946, Yale University		Pearson, Ellsworth Carl	Minn.
Patton, Calvin Eugene	D.C.	Pearson, Richard Wyman	D.C.
Patton, Cubert R.	Miss.	Pearson, Richard Wyman Pearson, Thomas Joseph Pearson, Vera Maxine	D.C.
B.S. in C.E. 1933, Mississippi State		Pearson, Vera Maxine	III.
Callana Callana		Peaslee, Dorothy LaRoe	Md.
College	Calif.		
Patton, John Strohm	Caiii.	Peaslee, Patricia Dorothy	D.C.
B.S. 1941, University of Southern		B.S. 1917, University of Cincinnati	
California		Peck, Bernard	N.Y.
Patton, Philip Joseph, Ir.	Ohio	A.B. 1939, Indiana University	
Patton, Philip Joseph, Jr. A.B. 1941, University of Akron		A.M. 1941, Columbia University	
Potton Deleich Coose	Tenn.	Peck, Millard, Jr.	Va.
Patton, Raleigh Scott		Peck, William Bethule	
A.B. 1948, University of Chattanoog	-	reca, william because	N.J.

Dance Louis Issuel	2/1	David Calant Face Facilities	Cul
Pecora, Louis Joseph	Md.	Perez-Colon, Jose Enrique Pergiel, Roman Conrad	Mic
B.S. 1933, Tults College Pecot, Rebecca Koonce	D.C.	B.S. 1947, Michigan State College	
Pedrick John Lumidon	Lown	Pericles, John	
B.S. 1939. Parsons College		Perkins, Alfred William, Jr.	DO
B.S. 1939. Parsons College J.P. 1948. Northwestern University Peed, Hazel Jeannette		Perkins, Billie L. Perkins, Edgar Madison, Jr.	Di
Peed, Hazel Jeannette	Md.	Perkins, Edgar Madison, Jr.	DO
Peeke, Raymond Greer	Mich.	Perkins, Edwin Thomas	D
A.B. 1917, Park College Peel, Ella Leuvenia	D.C.	Perkovic, Josephine Caroline	181
Peel, Fred Welch, Jr.	Ky.	Perlman, M.B. Perlman, Eliah Pincus	Fl.
B.S. 1939, LL.B. 1942, Harvard	acy.	B.S. 1943. Alabama Polytechnic	
University		Institute	20
Peeples, Irving Warren	D.C.	Perlman, Elisheva	N. Y
Peha, Charles Ness	D.C.	Perimutter, Jerome Herbert	DO
Peifer, William Houston	Pa.	Perlo, Hyman M.	D.C N.Y D.C R.I Va D.C D.C D.C
Peimann, Esther Elizabeth	S.D.	Perna, Louis Robert Perra, Margaret Ann	R.I
Peisner, Arthur A. Pelham, David Elliot	D.C. D.C.	Perra, Margaret Ann	V
B.S. 1931. Tufte College	D.C.	Perrin, James Wilkins Perrin, Jean Julien Perrin, Therese Mathilde	D.C
Pelikan, Robert Grant	D.C	Perrin Therese Mathilde	D.C
Pell, Arthur Jack	D.C.	Perrone, Jeanne d'Arc May	D.C
Pellerin, Dennis Wilfred	N.J. D.C.	Parros Ganera Pater	
Pellerin, Dennis Wilfred Pellerzi, Leo Maurice	D.C.	A.B. 1940, The George Washington	
Pelletier, Albert Joseph, Jr.	Va.	University	D.C
Pelletier, Avila Adelard Pelletier, George Eugene	Md.	Perros, Theodore Peter B.S. 1946, The George Washington	
Pelletier, George Eugene	D.C.		
Pelto. Rov Elmer A.B. 1945. The George Washington	Minn.	University Perrott, Thomas Andrew Perrott, Vissinia Marie Perry, Anna Mae Perry, Elena Victoria A.B. 1948, Hunter College Perry, John Kenneth Perry, Norman Ray Perry, Robert Charles Perry, Wilburn Robert, Jr. Persian John Gregory	Va
University		Perrott, Fnomas Andrew Perrott Viccinia Maria	D.C. N.Y.
Pelto, Victor Hugo	D.C.	Perry Appa Mae	N.Y.
Pelton, Robert James	Md.	Perry, Elena Victoria	Idia
Pemberton, Henry Walter	Minn.	A.B. 1948, Hunter College	Mich.
A.B. 1947, Amherst College		Perry, Hugh Russell	Colo.
Pena, Rafael Hector Pue	erto Rico	Perry, John Kenneth	D.C.
Pence, Carrie Rebecca	D.C.	Perry, Norman Ray	Miss.
Pence, Grace Alice	D.C.	Perry, Robert Charles	Ark. Va.
Pence. Thomas Arthur Pence. Virnil Lewis	Va. D.C.	Perry, Wilburn Robert, Jr.	Va.
Pendell, Martha Jane	Va	Persiani Personant	Pa.
Pendergast, Charles William	WVa	Persichetti, Elmer Vincent B.S. in Educ. 1938, State Teachers College, Indiana, Pa.	8 -
Pendergast, Edward Henry, Jr.	DC.	B.S in Educ. 1918, State Teachers	
Pendergrass, James Theodore	N.Y.	College, Indiana, Pa.	N.C.
A.B. 1010. Cornell University		Person, Richard Decton	Va.
A.M. 1940, Columbia University		Person, Robert	
Pendergrass. John Mullard	Va.	A.B. 1917, Clark University Person, Vernon James	Va.
A.B. 1045. Kalamazoo College M.P.A. 1046. Wayne University Pendleton. Edmund Elliott		Person, Vernon James	p.C.
M.P.A. 1940, Wayne University	Md.	Person, Norman Edward	Md.
Penn. Arthur Allan	D.C	Pertsch, Joseph Louis	D.C.
Penn John Wesley	D.C	Pescov, Geraldine	N.Y.
Penn. John Wesley Penn. William Allen	Md	Peskind. Sarah Ruth	14
Penne Harold Ringins	S.D	Pess, Louis B.S.S. 1018, College of the City	
Penneleather Insenh E	N.Y	of New York	Ohio DC DC
Pennell, Alfred Reed	N.Y	Peter. Thomas Armistead	Di
Pennell. Alfred Reed A.B. 1010. Yale University A.M. 1018. Columbia University		Perecitas Ray Anthony	pi
A.M. 1918, Columbia University	20	Peters, Betty Joan	2 111
Penningroth, Ann Pennington, John Byron	D.C D.C	Peters, Charles Merritt, Jr.	De.
Pennyan I de	Miss	Peters, Dorothy Ellen Peters, Harrietta Sinclair	Va
Pennyan, Lola Penvose, Raymond Glenn	Pa	Peters, Harrietta Sinclair	- 5
Pepler, Claire Madelyn	Mass	B.S. 1044. Madison College	DC
Pepper, Hobart Garrett	D.C	B.S. 1045. Madison College Peters, James Walker, Jr	Md.
Peppers, Richard Langford	111.	Peters, Julius M. The George	
Perce. LeGrand Winfield	D.C	Peters, Julius M. A.B. 1918, A.M. 1943, The George Washington University	p.C.
Percival, William Alfred	Pa.	Washington University	Va.
Percy, Morgan F.	N.Y	Peters, Marguerite L.	
Perdew, Robert Beasley Perez, Frank Herbert	Md D.C	Peters, Marie Cox A.B. 1940, Madison College A.B. 1940, Madison College	Va.
	atemala	Peters. Marion Taylor	Mass.
B.S. 1946, Louisiana State University		Peters, Stephen	
Perez, Jorge Ramon Puer	to Rico	A.B. 1934, A.M. 1936, Harvard	
Perez, Wilda C.	Va	University	

Petersen, Stanley Wilhelm	N.Y.	Phifer, Jean	Md.
A.B. 1941, The George Washington	n	A.B. 1927, Lynchburg College Philips, John Chase	
University		Philips, John Chase	D.C. N.Y.
Petersen, Vivian Williams Peterson, Amelia	D.C. Va.	Philipsborn, Helen Worth	N.Y.
Peterson, Charles David	Maine	Philipson, Bruce Glueck	D.C.
A.B. 1048. Harvard University	14THING	B.S. in C.E. 1948, Catholic Univers	ity
reterson, David Allen	Mass.	Phillips, Allvertta Bussey	Md.
B.S. 1937. Massachusetts State Col	lege	A.B. 1945, A.M. 1947, University of Maryland	24444
B.S. 1937, Massachusetts State Col Peterson, Dean Constantine	Va.	of Maryland	
Peterson, George Edmund B.S. 1924. United States Naval	DC.	Phillips, Anna Louise B.S. 1945, Columbia University Phillips, Donald Tuyford	D.C.
D.S. 1924. United States Naval		B.S. 1945, Columbia University	
Academy Peterson, George K.	N.C	Phillips, Eleanor Adams	W.Va.
Peterson, Harrison V.	D.C.	A.B. 1936, Vassar College	D.C.
Peterson, Harvey Wayne	N.C. D.C. D.C.	Phillips, Frances Guck	Va.
Peterson, Marjorie Isabel	Mass.	A.B. 1914, Wellesley College	v m.
Peterson, Marshall Noel	Miss.	Phillips, Frederick David	D.C.
Peterson, Nad A.	Utah	Phillips, George Ernst	Va.
Peterson, Oscar	N.H.	A.B. 1934, College of William and	
M.E.S. 1927, Boston University	D no	Mary Phillips Conden Alliese	-
M.F.S. 1931, Georgetown University Peterson, Patricia Ann	Va.	Phillips, Gordon Allison	D.C.
Peterson, Roland Ludwig	111	Ph.B. 1947, University of Chicago Phillips, Laura Marley	D.C.
Pethtal, Burnell Erwin	W V2.	Phillips, Lawrence Vince	D.C.
Petiprin, Floyd Raymond	Mich	Phillips, Lloyd James	Md.
Petkovich, Samuel	Ohio	Phillips, Martha M.	W.Va.
Peto, John	N.J.	A.B. 1917. Wilson College Phillips, Mary Elizabeth	
B.S. 1947. College of the City of New York		Phillips, Mary Elizabeth	D.C.
Petro, James John	D.C.	Phillips, Mary Jane B.S. 1934. West Virginia University	Va.
B.S. 1948. American University		D.S. 1934, West Virginia University	
Petrobono, Alfonso Petrolino, James Stewart	N.Y. N.Y. D.C. D.C.	Phillips, Morris Thomas	D.C.
Petrolino, James Stewart	NY.	Phillips, Norma Jean Phillips, Paul Richard	Va.
Petroutsa, Antigone Q.	DC.	A.B. 1947. University of California	Calif.
Petroutsa, Stella Demetria	Md.	Phillips, Richard Ward	Idaho
A R 1042 Susquehanna University	Mid.	Phillips, Sara Mae	D.C.
Petroutsa, Antigone Q. Petroutsa, Stella Demetria Petry, Jack Albert A.B. 1933, Susquehanna University M.S. in Ed. 1947, University of Pitraburgh		Phillips, Virginia Clay	Ma
Pittsburgh		A.B. 1938, Northeast Missouri State	
Petschke, Everett Julius	Va.	leachers College, Kirksville	
Petsko, John	Pa.	Philpitt, Frederick Charles	D.C.
Pettigrew, Jamie Lucille	Va.	B.Ch.E. 1947, University of Maryla	ınd
A.B. 1947, The George Washington University	1	Phinney, Alan Yardley Phippins, Edna Mae	Va.
Pettigrew, W. B.	Va.	B.S. 1941 Mary Washingson Calley	D.C.
B.S. 1933. Northwest Missouri St.	ate	FIREL, VICTOR Raymond	
Teachers College, Maryville		B.S. in Ch.E. 1940, Kansas State	N.M.
Pettinichi, Arthur John	N.Y.	CONTEXE	
Petty, James Spilman	Va.	Picciano, Eugene Michael	D.C.
Petty, Richard Alden	Va.	A.B. 1948. The Genera Washington	a
Peyton, Harry Jackson, Jr.	Md.	University	
Peyton, William Halliday	Va.	Picciano, Marie Emile	D.C.
Pfeferstein, Melvin Gerald	N.J.	Pick, Lula Maxine	W.Va.
Pfeiffer, Albert Randolph	D.C.	Pickens, John Kenneth	N.J.
Pfeiffer, Frederick Thompson	D.C.	LL.B. 1942. Harvard University Pickens, William Hopkins	
A.B. 1947, University of North Carolina		A.B. 1929, University of Alabama	Ala,
Pfirrmann, Frank Peter	Ohio	Pickering, Leonard Leroy	OLL.
Pfister, Elvera	Ohio	Pickering, Woodrow Harold	Okla.
Pfund, Charles Edward	Md.	Pickett, Jack Milton	Ohio
B.S. in E.E. 1943, Iowa State Colle		Pickett, Jack Milton Pickett, Nita Alleyne A.B. 1932, The George Washington	Va.
Pfunter, Carl Herman	Fla.	A.B. 1932, The George Washington	Att.
Phelps, Allen Warner	D.C.	University	
Phelps, Robert Francis	Iowa	Pickett, Robert Eugene	Ohio
Phelps, Warren Howard	Va.	Pickler, William Claude, Jr.	D.C.
Phelps, William Wendell	Calif.	Pidgeon, Joseph William	D.C. N.Y.
A.B. 1948, The George Washington	3	Pielmeier, George Robert	D.C.
University	DC	Pierce, Edward A., Jr.	D.C.
Pherson, John Randolph A.B. 1948, The George Washington	D.C.	Pierce, Edward Roland	D.C.
University University		B.S. 1948, Purdue University Pierce, Henry Maurice	4.1
			Va.

Pierca, James Baker	Mich.	Pixley, Roberta MacIntyre	1
B.S. in E.E. 1943, University of		Pizer, Robert Simon	D.
Michigan Pierce Jana Marie	D.C.	Pizer, Samuel	
Pierce, Jana Marie Pierce, Margaret Anne	N.Y.	A.B. 1944. The George Washington University	
Fierce, Ulivia Banier	Va.	Pizza, Harry Joseph	D.C
Piercy, Weeta Paige	N.C.	Pizzano, Kobert Arthur	Mas
Piercy, Weeta Paige B.S. 1938, Wilson Teachers College Pierson, Polly Elizabeth	241	Plagens, Dora Harris	D.C
P.S. in Ed to the University of	Md.	Plair, James Beavia	Cons
B.S. in Ed. 1947, University of North Carolina		Planck, Louise Christine A.B. 1948, Middlebury College	
Pietras, Chester Joseph	Mass.		D.C D.C N.Y
Pietras, Chester Joseph Pifer, Kenneth Chrisman	W.Va.	Planishek, Anne Mary Plaskett, Anne Elisabeth Platky, Leon David Platt, Elwood Andrew Platt, Frank Leslie Platt, Wesley McCoy B.S. 1935, Clemson Agricultural Coll Platt, William Templeton B.S. 1939, Franklin University Platto, Leon A.B. 1937, Brooklyn College	D.C
Figg. Lova Lynn	Va.	Platky, Leon David	N.Y
Pike, Albert Hamilton	D.C.	Platt, Elwood Andrew	LOW.
Pike, Wayne Jewell	Va. Pa.	Plate Washer McCare	111
Pilch, Anthony Felix Pilon, Dorothy Killeen	Va	RS 1016 Clemen Agricultural Col	lege
Pilson, Elizabeth Craig Pilzer, Charles Jay	D.C. D.C. D.C.	Platt, William Templeton	340
Pilzer, Charles Jay	D.C.	B.S. 1939, Franklin University	NY
Fimentel, Kalael Lebron	D.C.	Platto, Leon	24
Pinch, Edward Thomas	Ma.	A.B. 1937, Brooklyn College Plavin, Melvin Plazak, James Joseph Pleasanes John King Pleasanes John Franklin	N.Y.
Pincus, Arthur Pincus, Saul	D.C. N.Y.	Planck Tomes Towns	Ohio
B.S. 1941, College of the City of	44.4.	Pleacher John King	Pa. Va.
New York		Pleasants, John Franklin	N.Y.
Pindell, William Hamilton, Jr.	D.C.	Pleasants, John Franklin Plehaty, Spencer Lloyd	
Pine, Donald Kay	Va.	A.B. 1948, Wesleyan University Plompton, Vincent William, Jr.	D.C.
Pine, Sara Ford Dallmeyer	D.C.	Plankin Tanand William, Jr.	FIS.
Pineau, Roger A.B. 1942, University of Michigan	Mich.	Plotkin, Leonard	D.C.
Pinggera, John Joseph	N.Y.	Plotnick, Leonard	Md.
Pingley, Sally Belle	D.C.	Plotnick, Leonard Plotnick, Theodore	
Pinion, Jack Andrew	Md.	A.B. 1932, University of Pennsylves LL.B. 1938, Temple University	73m
B.S. 1938, University of Nebraska	2.41	LL.B. 1918, Temple University	D.C.
Pinkham, Fabian	Md.	riowman, Dorothy Anne	Va.
Pinke, Robert R. A.B. 1936, Southwestern College	Kans.	Plucknett, Knoland James B.S. in E.E. 1938, University of	
A.M. 1946. University of Maryland		Nebraska	n.C.
A.M. 1946, University of Maryland Pinson, Nancy Louise	D.C.	Plugge, Kathryn	D.C. N.Y.
Pinter, Elizabeth	N.Y.	Plumb Rosemary Deneler	
Piper, Charles Woods Piper, Winnifred E.	Fla.	A.B. 1947, University of Rochester A.M. 1948, The George Washington	
Piper, Winnifred E.	N.Y.	A.M. 1948, The George Washington	Md.
A.B. 1945, Antioch College Pippin, Millard Franklin, Jr.	Va.	University Plunkett, Charles MacLeod	Mo-
Pirilla, Genese Vincent	Pa.	Plunkett, Harold Drummond, Jr.	Tex.
Pistek, Georgiana	Va.	Plyer Alfred Hutchinson	
Pitchford, Leslie Lee, Jr.	Va.	B.S. in M.E. 1948, Rice Institute	DC
A.B. 1048, Roanoke College Pitman, Park Ware		Plyer, Betty Lou Robinson	D.C.
Pitman, Park Ware	Tex.	Plver, Charles Herbert, Jr.	Pa.
Pitner, Robert James B.S. 1948, Mississippi State College	Miss.	B.S. 1948, Pennsylvania State College	Va.
Pitt, Hannah Harriet	D.C	Poch, Donald Richard	
Pitt, Harry	N.Y.	Pocino, Vincent Angelo	D.C Va.
Pitt, Laud Rolland	Minn.	Podolski, Gerald Anthony	Md.
A.B. 1928, Northwestern University		Poe, Robert Vernon	N.Y.
A.M. 1915. A.B. in L.S. 1918. The George Washington University		Poe, Warren Clavton Poel, William Elias	
Pitt, Mary Libeau	Va	A R 1017 Brooklyn College	N.Y.
Pitt, William Arthur	Calif	A.B. 1917, Brooklyn College Poenicke, Charles Frederick, Jr.	08.0
Pittenger, Myramae	Md.	Pogany, Irma	DC.
Pittiglio, Clayton Lawrence	D.C D.C	Pogostin, Sidney Leg	Pa.
Pittle, Victor	D.C	Pogue, Robert Bedford, Jr.	
Pittman, John Lee Pittman, Robert Julian	D.C	Pohala, Helen Louise B.S. 1047, New York University Pohl, Marian Evelyn	p.C.
Pitts, Denver Collyn	Ohio	Pohl, Marian Evelyn	
ritte, Eulalia Edwards	D.C	B.S. 1941, A.M. 1944, Date	Vs.
A.B. 1045, University of Richmond		University	Pa.
Pitts, Vaden Stein	D.C.	Poland, John Jay	Pa.
RS 1048 The Grane West's see	D.C.	Polanskey, John, Jr. Polaschik, Stephen	VI.
University		Poljacik, Helen	dins.
Piver, Julius S. B.S. 1948, The George Washington University ixley, Louise	D.C.	Polk, Joan Carol	

Polk, Leon W.			
l'olk, Matthew Steele	Okla.	Potter, Stanley Eugene Potts, Bertha Charlotte A.B. 1016, San Jose State College Potts, Jack Hullman Potts, Paul R. Pou, Betty Jane Poulse, Charlot	W.Va.
Pollack, Jerome Lee	DC.	Potts, Bertha Charlotte	Calif.
B.S. 1945 Franklin and Mary to	D.C.	A.B. 1016. San Jose State College	
B.S. 1945. Franklin and Marshall College		Potts, Jack Huffman	N.C.
	Pa.	Pour Potts, Faul K.	Va.
Pollard, John Ray Pollard, William Otis	Del.	Poulase, Guss N.	Va. D.C.
Pollin All Dellin Otio	Va.	Pound, Evelyn Ruth	17 C.
	D.C.	Powdermaker, Paula Claire	Fla
Pollock, Daniel Carroll Pollock, Robert Emmett	Calif.	Powell, Alfred Allen	N.J.
Pollow, Charles Howard	Va.	Powell, Charles Montagu Powell, Damty Mildred Powell, Harry Lee, Jr.	10
· GOVDV. Albert Rarnand	Wash.	Powell, Damty Mildred	D.C. D.C. D.C.
	Md.	Powell, Harry Lee, Jr.	DC.
A.B 1941, Granell College	Iowa	Powell, John Frederick Powell, Louis Bertrand	D)C
A.B. 1941, Grannell College M.S. 1947, University of Iowa Pond, Bert Chauncay Ponder Persy. 1947		Powell, Louis Bertrand BS 1926, Virginia Military Institut Powell, Path. Virginia Military Institut	Va.
Pond, Bert Chauncey	D.C.	Powell, Patti	e ge
Ponder, Persy Lou	Colo.	Powell, Sally Lou	Jenn.
Ponow, Dell Arthur Pons, Alice Jeane	III.	A.B. 1932, Georgia State Woman's	Ga.
Ponte, August	D.C.	College	
Conton Push Vin	D.C.	Powell, William Alfred	D.C
B.S. 1017. State Teachers College, Fatmville, Va. Poole, Chester Hyle Poole, Nancy Virgenia Poole, Robert Smallwood Pope, Carroll F	Va.	Power, Andrew Paul A.B. 1947. The George Washington	D.C N.Y
Farmville, Va.		A.B. 1947. The George Washington	
Poole, Chester Hyle	NV	University Power Floring	
Poole, Nancy Virginia	N.Y. D.C. D.C.	Power, Elsie Margaret	DC.
Poole, Robert Smallwood	D.C.	Powers Albert John	17
Pope, Corroll F. Pope, Corroll F. Pope, Farmin Frink 138	()kla	A B. 1939. Coe College Powers, Albert John A.B. 1949. The George Washington	Va.
Pope, Fannie Fairchild	D.C.	University	
Pope, Harold Eugene B.S. in M.E. 1947, University of Kentucky	Colo.	Powers, Edgar Chester	NI
B.S. in M.E. 1047 University of	Ky.	Powers, Richard Lawrence	D.C.
Kentucky		University Powers, Edgar Chester Powers, Richard Lawrence Powers, William Joseph A.B. 1948, The George Washington	Va.
Pope, James Sterling Pope, Patricia Evelyn	Colo.	A.B. 1948, The George Washington, University	
Pope, Patricia Evelyn	D.C.	Poznak, Morton	24.
Popham, James Edward Popovich, William George	Va.	Proper Otto Charles	N.J.
Poppiti Flinshark George	Pa.	Prange, Otto Charles B.S. in E.E. 1945, Yowa State Colle	III.
Poppiti, Elizabeth Porcel, Fernando Osraldo Porro, Ralph Anthony	D.C. D.C. N.Y. Va.		III.
Porro, Ralph Anthony	D.C.	Pratt, Diane Harriet Pratt, Martin Sheppard	Va.
Porsaa, Henning Johannes	No. No.	Pratt, Martin Sheppard	N.C
Porsa, Henning Johannes Port, William Lockhart Porter, Bennet Allen, Jr. Porter, Loran Richard Porter, Melvin A. Porter, Melvin A.	Md.	Pratt, Ray Chase, Jr. Pratt, William Leonidas	D.C.
Forter, Bennet Allen, Jr.	D.C.	Pratt, William Leonidas	Md.
Porter, Loran Richard	D.C.	Fravel, Bernary Roe	Tex.
Porter, Milda Mae	Kans.	B.S. in Ch.E. 1947. Rice Institute	
Porter, Neil Alfred	D.C.	Freece, William Martin	D.C.
Porter Ruth Florence	Md.	Prencipe, Leonardo	DC.
Porter, William Morris Te	Maine	Prencipe, Nicholas Vincent	DC.
Poskus, Joseph John Posnansky, Rosalie Lucille	DC.	Prendergast, James Francis A.B. 1938, Lafayette College	Pa.
Posnansky, Rosalie Lucille	Mo.	Prentis, Richard Edmond	
l'Osner Martin	D.C.	A R MAR Basses H.	Mass.
Poss, Rubin V., Jr. Post, Beverly Suzanne	D.C.	A.B. 1948, Boston University Prentiss, Catherine Watkins	
Post, Beverly Suzanne	Va.	B.S. in Ed. 1946, The George	D.C.
Postcher, Eugene H. Postman, Martin Samuel	Ariz.	Washington University	
D.C Samuel	Va.	Preslar, Avis McKelvain	CO.
Polytack 1040, Virginia		A.B. 1939, Baylor University	Tex.
Poston John William		Preslar, Stephen Franklin	Tex.
Poston, Met Ray	D.C.	Presler, Robert Delos	N.Y.
Poston, John William Poston, Met Ray B.S. 1942. University of Chattanooga Poston, Raymond Lee	Tenn.	Pressley, Patricia Smith	Fla
Poston, Raymond Lee	Va.	Presto, Ernest Carl	N.Y.
Potter, Erma Jane	Pa.	Preston, Ann Hughes	. Va.
A.B. 1934, Geneva College	8° III.	Preston, Lenais Todd, Jr.	D.C.
B.S. 1942. University of Chattanooga Poston, Raymond Lee Potter, Erma Jane A.B. 1934. Geneva College Potter, Harmon Sobioski A.B. 1935. LL.B. 1937, Columbia University	D.C.	Preston, Rita Marie	N.Y.
A.B. 1915, LL.B. 1937, Columbia		Preston, Shirley Andrew	Md.
University Poster Waller		Preston, Walter Harlan	D.C.
Potter, Holbrook Louis Potter, Philip Nelson	D.C.	Previte, Charles Richard	N.J.
	Md.	Price, Archie Boyce	Va.
B.M.F. 1048 The Course W. 1.	D.C.	Price, Betty Anne	D.C.
University	n	Price, Catrie Mae	Va.
Potter, Samuel Clark, Jr.	D.C.	Price, Edward James	N.Y.
	de la	Price, Edwin	D.C.

Price, Elizabeth	W.	Dock Francisco	D.6
A.B. 1941, Columbia University	Va.	Pugh, Frances Hope	W
AM 1044 University of Minneson		Pugh, Lindley Coates	D.
A.M. 1944, University of Minneson Price, Eve S. Price, Helen Vera	Va.	Pugler, Elizabeth Eugenia	
Price, Helen Vera	Md.	A.B. 1945, The George Washington University	
Price, Hoyt Glenn	Va.	Puhr. Francis Peter	Wi
Price, James Travis Price, Joseph Lindsey Price, Milo V.	Tenn.	B.S. 1941, Marquette University	
Price, Joseph Lindsey	Va.	Pulfrey, Robert Earl	V
Price, Milo V.	Nev.	B.S. 1017 Jamestown College	
Price, Robert Nelson	D.C.	B.S. 1937, Jamestown College Pullen, Gene Elizabeth	D.0
A.B. 1948, Haverford College Price, Roger Carson		Pullin Antonia Anna	D.C
Price, Roger Carson	D.C.	Pullin, Clarence Morgan, Jr. Pullin, William Jennings Pully, Lucille	Me
Price, William Sidway	D.C.	Pullin, William Jennings	D.C
Prickett, Claudia Sebeste	D.C.	Pully, Lucille	D.C
B.S. 1948, University of Maryland		Pulver, George Pupo, Robert William	Pi
Priddy, Elizabeth LaVerne	Va.	Pupo, Robert William	V.
A.B. 1942, Westhampton College Priest, Gilbert Lyman		Purcell, Jack Allen Purcell, Patricia Eileen	Minn
Priest, Gilbert Lyman	N.Y.	Purcell, Patricia Eileen	Mo
Prilfode, John Edward	Pa.	Purdy, Byron Wilburn	nc
Prince, Henry Harvey, Jr.	D.C.	Purdy, Ramon Tison	D.C Va
Principe, Mary Enrico	D.C.	Purdy, William Augustus	
Prine, Darlyene Diane	Mich.	B.S. 1941. United States Military	
Pringle, Dorothy Smallwood	Pa.	Academy	N.Y
A.B. 1930, Goucher College Printup, Jack Edmondson Pritchard, Robert Linton	211	Purdy, William Frederick, Jr. B.M.E. 1937. Stevens Institute of	
Printup, Jack Edmondson	N.J. Va.	B.M.E. 1937. Stevens Institute of	
Processing Toront Applican	NI W		Ask
Procaccino, Joseph Anthony	N.Y.	Purioy, Christine Ether	Pa
A.B. 1945. College of the City of New York		P.C. in Ed 1016 Conta Teachers	
Prochko, George	Ohio	Purifoy, Christine Ethel Purnell, Lewis Roy B.S. in Ed. 1946, State Teachers College, Kutztown, Pa.	
Proctor, Arthur Edwin	Iowa	Purves, Stuart St. Claire	Main
Proctor James Randolph	Va.	B.S. 1921, United States Naval	
Proctor, James Randolph Proctor, Lawrence Barnes, Jr.	DC	Academy	974
Proctor, Lucy Rebecca	D.C.	Purvis, Curtis Carlisle	N.C.
Proday, Mary Teresa	Pa.	Puryear, Hazel C,	N.C.
Prodromos, Gregory	Wis.	Putman, Margaret Ada	Kans.
B.M.E. 1943, LL.B. 1948, Marquett	te.	Putnam, Charles Pickering	D.C. Va.
University		Putnam, Lewis Markley	Ps.
Profeta, Philip Peter	Md.	Putnam, Roland Theodore	8 00
Profitt, Agnes Laura	D.C.	B.S. 1928, Allegheny College	Md.
A.B. 1945, DePauw University		Putnam, Russel Henry	Va.
Profitt, Edith Louise	D.C.	Putterman, Felix Maurice	D.C.
A.B. 1938, The George Washington		Puzzini, John	D.C. D.C.
University		Pyle, Jane	D.C.
Prokarym, Rosalie Marie	Pa.	Pynn, George Washington	
Proschan, Frank	N.Y.		
B.S. 1046. College of the City of		Q	
New York			D.C.
A.M. 1948, The George Washington		Quackenbush, Robert Allen	Md.
University		Quackenbush, Robert S., Jr. B.S. 1927, United States Naval	
Protos, Mary	D.C.	B.S. 1927, United States Naval	. 47
Protos, Matthew James	D.C.	Academy	N.Y. S.D.
Proudley, George Erwil, Jr.	D.C.	Quagliato, Ferdinand	S.D.
B.S. 1948, University of Maryland		Quarforth, Carl Donald Virginia	Va.
Provencio, Anita	N.M.	B.Ch.E. 1946, University of Virginia Quarforth, Elaine Louisa	Mo.
A.B. 1939, University of New Mexico Pruce, Alfred Albert	0	Quartorth, Elaine Louiss	S.C.
Pruce, Alfred Albert	Md.	Quast, Walter Precerick	3.0.
Pruden, John Stephen	Ohio	Quart, Walter Frederick Quattlebaum, Ann Harrold B.S. 1941, Winthrop College Quay, Robert Alexander	Pa.
Pruitt, Benjamin Franklin	D.C.	Oues Debest Alexander	Ind.
Pruitt, Betty Jo	Mont.	Quakhaman Fanasa Flizabeth	D.C.
Pryor, Mary Lean	Ark.	Quehbemon, Frances Elizabeth	D.C.
Privot, Kuby L.	Tex	Queen, Admiral Dewey Queen, Elbert Bickley	Ky.
Pruden, John Stephen Pruitt, Benjamin Franklin Pruitt, Benjamin Franklin Pruitt, Betty Jo Pryor, Mary Leah Pryor, Ruby L. Pryor, William Jerome Paaki, John Nicholas Purci Gerard Richard	Va.	Queen, Elbert Dickiey	2007
Pucci, Gerard Richard	Va. N.Y.	A B toat Rerec College	Va.
a deci, Octoro Richard	Ad. E.	Oues Inch Boundide	D.C.
B.S. 1944, Virginia Polytechnic Institute		Queen, Francis Vernon A.B. 1941, Berea College Queen, Jack Reynolds Queen, Judy A. Queisser, Richard Curtis	Va.
Pucher, Katharine Lloyd	D.C.	Queen, Judy A.	4
LL.B. 1918, Washington College of	Dic.	B.S. in E.E. 1937, New York	
Law Law		D.S. IN E.E. 1937, 140	p.C.
Puelleiner, Harold Grant	DC.	University Quenatedt, Warren Daley	Va.
Puente, Joseph I.	D.C.	Quesenberry, William Otis	
Puente, Joseph I. Puett, William Nelson	N.C.	Quesenberry, William Otis B.S. 1943, Virginia Polytechnic Instit	
	24.61	5: 1993: 118:41	

Ouish Att and			
Quick, Alice McCardell	Md.	Rainey, Harlan H.	Tenn.
B.S. 1942, Johns Hopkins University Quick, Elsie McQueen Quigg, Barbara Lore	7 210	A.B. 1948, University of Tennessee Rainey, Victor Lawrence Rains, Clare Gordon	acau.
Quigg, Barbara Lou Quigg, Helen Quigley, Calvin Coulant	N.C.	Rainey, Victor Lawrence	Idaho
Quigg, Helen	Va. Va.	Rains, Clare Gordon	D.C.
	Va.	Rainsbury, Robert Charles Rainville, Edna Leah	D.C.
A.B. 1948, University of Colorado Quill, John James Quillings John Hammes	V 41.	B.S. 1944, Converse College	Md.
Quill. John James	Mass.	A.M. 1946. Mount Holyoke College	
Quillinon, John Henry	Va.	A.M. 1946, Mount Holyoke College Rajala, William Bernhardt	Md.
Quinby, Bessie McMurray Quinn, Donald Francis	Va.	Raker, Geraldine Lieblich Raker, Phyllis Ruth	V.
Quinn, John	Va.	Raker, Phyllis Ruth	D.C
D.S. 1928 I mited Canasa Manual	Tex.	Kakha, Youssel Bahgat	D.C D.C
Academy Academy		Raker, Phyllis Kuth Rakha, Youssef Bahgat Raley, John Francis Ralph, Dallas John B.S. in E.E. 1948, Michigan College of Mining and Technology Ralston, Lawrence Parker	D.C
Quinn, Joseph Patrick	D.C.	RS in F.F. 1048 Minking C. H.	Mich.
Quinn, Joseph Patrick R.S. 1940, University of Utah Quinn, Nora Jean Quinn, Patrick		of Mining and Technology	
Ouinn, Nora Jean	D.C	Raiston, Lawrence Parker	Conn
Oning State of the	D.C.	A.B. 1939, Princeton University	CONTR
Quinnam, John Wilson	III	Kambo, Keginald Kodney	Pa.
Quintana, Leonardo Ramos	Maine	B.S. 1933, M.S. 1934, University of	
Quinn, Ktchard Harry Quinnam, John Wilson Quintana, Leonardo Ramos Quintrell, John Erskine, Jr. A.B. 1043, The George Washington University	D.C.	Arizona	
A.B. 1943. The George Washington	D.C.	M.D. 1938, Harvard University	Th. 10
University A he		Ramos, James Mariano	D.C
A.M. 1947, University of Pennsylvan	nia	Ramisch, Mathew John, Sr. Ramos, James Mariano Ramos, José R.	Na
11		Rameay Gwendolyn Class	D.C. NY. D.C.
		Ramsay, James Bertrand	DC
Rabin, Joseph Edward	N.Y.	Ramsay, James Bertrand Ramsay, Robert Douglas Ramsay, Robert Theodore	1/3
avantitowitz. Progr		Ramsdell, Ruth Ann	Wash
B.M.E. 1945. College of the City of		Ramor Walter Andrew	Va.
B.M.E. 1945. College of the City of		Ramsey, Walter Andrew A.B. 1937, A.M. 1939, University	Oho
Rabinowitz, Jerome Walter B.S. 1947. United States Naval	N.Y.	of Cincinnati	
		Rand, Alice Marion	Conn.
Kache, Irie Thelma	D.C	A.B. 1915, Wellesley College	document.
Rachela Thomas Di-t	D.C	Randall, Albert Joseph Randall, Berneita K.	1.1.
	D.C	A.B. 1948. The George Washington	Mich.
	III.		
B.S. in Ed. 1040, Southern Illinois Normal University Radebaugh Garnete B.		Randall, Courtland Stanley Randall, Richard Rainier Randall, Robert Henry Jr. BCE 1941. The George Washington	201
Radebaugh, Garnett Barry	200	Randall, Richard Rainier	Md.
Nauen, Henry	Md.	Randall. Robert Henry Jr.	D.C.
Rader, Glen Shields	D.C Tenn.	BCF. 1941. The George Washington	1
A.B. 1913, Carson-Newman College	a citii,	Rardel George William	
Rader, Stephanie Czech A B 1037, Cornell University Radner Food	Va.	Rat He Flerror F ther	D.C.
Radnor, Fred		Kandy ph Flour Real	DC.
Radomski, Jack London	D.C		Mass.
D.S. 1042 University of West	D.C.	Ray Jolph, John Lew s	9.0
	-	Ran Jolph, Karl Will and	Va.
Naeger, Francis Joseph	D.C	Rat Liph, Iohn Lew t Ram John, Karl With and B B A tree United to of Minneson. Ramodoph, William Bark cine	Oreg.
Rael, Frank Inc	D.C.	Randolph, William Barkelale	V'a
Kanel, Arlyne C	N.M	A.B. 1241. Virginia Military Institute	
Kanel, Everett Morton	N.Y.	Randolph William Ferral	
A.D. 1943 Brooklyn Callan		Rands, Mary Andrey	DC
LL.D. 1940, The George Washington		Kaney Ann France	DC.
		Raykin Billy Frank	DC
Rafferty, John Gregg	Va.	Kankin losenh Wingeli	Va.
Ragsdale, Gerald Hamilton		AR 1945 LLR 1946. The George	¥ a.
A.B. 1038, Montana State University			
B.S. 1928. University of Nat		Ransom Gove Mallard	DC
		Ransom Ruhard Burtus Ransom Robert P	Va.
Rainard Ulgic Huban	N.Y.	Ranvier Gilberte Louise	Va.
Name, David Latiman	Mass	Rapaport Tanet Reba	DC.
D.S. IOAN Limited to A a control of the control of	Md.	Kaphael, Paul Martin	Va.
	DC	Kapp, Charles Henry	1.8.
Avertical, Hannah Jana	D.C.	A.D. 1948. The George Washings	Pa.
Name Charles	Va.	University	
D.S. 1940, Virginia Polysockata	V 81.	Rapp. Raymond Edward, Jr.	DC.
Institute		P C IUIN I NO CONSON WY 1 *	2. C.
		University Washington	

Rappaport, Bernard Raymond	III.	Rector, Alfred Rozier	D.C.
Rappaport, Nathan David Raptes, M. Ted	D.C.	Redd, Lavinia Lindsay	Va-
Raptes, M. Ted	Ohio	Rector, Alfred Rozier Redd, Lavinia Lindsay A.B. 1935, Randolph-Macon Colleg	Mich.
B.S. 1945, Case Institute of Technol	ogy Pa.	Regging, John Henry	The same
Raring, Frederick William Rasband, James Edwin	D.C.	B.S. 1932, University of Michigan	N.Y.
Rasmussen, Walter Samuel B.S. in C.E. 1933, University of	Va.	Reddington, John Patrick Reddle, Victor Leon	N.Y. V.I N.J. D.C. D.C. D.C.
B.S. in C.E. 1913. University of	V 100 .	Redenius Iosephine Louisa	N.J.
Wisconsin		Redenius, Josephine Louisa Redler, Welfred Morton	D.C.
Rasmussen, Wayne David	Va.	Redman, Albert William	D.C.
A.B. 1917. University of Montana		Redman, Louis Daniel, Jr.	D.C.
A.M. 1939, The George Washington		Redmiles, Jean Ann	W Va.
University Rasnic, Carl Jacob	D.C.	Redman, Albert William Redman, Louis Daniel, Jr. Redmiles, Jean Ann Redmon, Asrold Bers Redmond, Charles Bernardt Redmond, Robert Lafayette Red Lohn Alvas Lafayette	W.Va.
Rast, Carolyn Frankum	Md.	Redmond, Charles Bernardt	Ga.
B.S. 1940. A.M. 1944. The George	IVACI.	Dee John Alux Fr	Va.
B.S. 1940, A.M. 1944, The George Washington University		Rec. John Alva, Jr Resed, Allan Lorentz B.S. 1011. United States Naval	12
Ratain, Howard Irwin	D.C.	B.S. 1011. United States Naval	
Rath, Robert Karl	Ohio	Academy	Ind-
Rathbone, A. Thomas Ratliff, William Richard Ratner, Max	N.Y.	Reed, Estella E, Reed, Hallie Mac	Va.
Ratiss, William Richard	Ky	Reed, Hallie Mae	
Ratowsky, Max	D.C.	A.B. 1937. The George Washington	
Rauch, Arthur S.	D.C.	University Read Herbert Jackson	N.J.
A.B. 1947, The George Washington	20.0.	Reed, Herbert Jackson Reed, Laurie Tully	D.C.
University		Reed, Max William	Md.
Rauch Margaret Letta	III.	Reed, Mildred	D.C.
B.S. 1938, University of Illinois Raum, Jack Ronald Raum, Lloyd Overton, Jr. Raum, Phyllis Miriam		Reed Nancy Binns	D.0
Raum, Jack Ronald	Va.	A.B. 1945, University of California Reed, Ogden Cartwright	p.C.
Raum, Lloyd Overton, Jr.	D.C	Reed, Ogden Cartwright	Iowa.
Rausch, Robert Raymond	D.C.		ity
Raver, Arthur Cornelius	Nebr.	A.B. 1939, J.D. 1941, State University	Va.
Rawlings, Joseph Edwin, Jr.	D.C.	Reed, Richard Wells	Mich.
Rawnsley, George William	M 298.	Reed. Russell James	DC
Ray, Camilla Ray, Christopher James	N.C.	Reed, William Clark	Pa.
Ray, Christopher James	N.C. D.C.	Reed, William Leroy	Ky.
Ray, Claude Madison	Md.	Reed, William Smith B.S. 1938, University of Kentucky	
A.B. 1012, Washington and Lee University		B.S. 1938, University of Kentucky	. 050
Ray, Henry Burton	D.C.	M.S. 1940, University of Wisconsin	W.Va
Ray, Laurence Victor, Jr.	Va.	Reeder, Ronald Ronson	
Ray, Patricia Jane	10.0	A.B. 1945, Shepherd College A.M. 1947. The George Washington	
Ray, Roberta Esther	D.C.	University	Md.
Ray, Roberta Esther Ray, Thomas Wilson	Md.	Reedy, Eugene Erskine	Va.
Rayack, Elton	N.Y.	Reefy Martha Elizabeth	Calif.
Raymond, Barbara June	Mass.	Reep, Richard Louis A.B. 1048, Stanford University Rees, William Jackson	574
Raymond, Mark Bradford	Md.	A.B. 1048, Stanford University	Va.
Raynor, Marjorie Hildebrandt Re. Anthony John	N.Y. N.J.	Rees, William Jackson	XX
Rea, James Magruder	Md.	Reese, James Conniff Reeve, Layton Wheeler	pe
A.B. 1041. University of Maryland	TARG.	Reeves, Charles Thomas, Jr.	111
A.B. 1943, University of Maryland Rea, Kathryn Minerva	Md.	Passes Fland Osvilla	
Rea, Martha Woulton	Md.	A.B. 1018. University of Chicago	Ga.
Rea, Robert Harold	Tex		
Read. Beryle Roosevelt	Ind.	B.S. 1917. United States Manual	Va.
Read, Kenneth Godwin, Jr.	D.C.	Academy	pe
Read. Mary Sue Reade, Alma Evelyn	Va.	Reeves, Richard Lewis	Mass
BS 1041 Madison College	Va.	Reeves. Rose	1.3
B.S. 1941, Madison College Reade. Thomas Calvin	Va.	Regan, James Andrew Regan, Robert Sumners	pc.
Reagan, James Edwin	D.C	Reges. John Timothy	Dr.
Reagan, James Edwin Reagan, Ralph Clifford Reagan, Robert Fusens	D.C	Reges, Richard Andrew	Md
	D.C.	Reggia, Frank	NI
Reavy, Frederick Anthony, Jr.	D.C	Regidor, Adhert Rehkoff, Ellen D	p.C.
Reback, William	D.C.		1,0
Rebert, Richard Ross	Pa.	A.B. 1948, The George Washington	
A.B. 1941, The George Washington University		University	Pa.
Recktenwald, Constance Eleanor	Pa.	Reichard Robert William	Fla.
A.B. 1945, University of Pittsburgh	1 4.	Reichard, Thomas Woodrow University	nto.
A.B. 1945, University of Pittsburgh Recktenwald, William Elmer	NY.	B.S. 1948, John B. Stetson University	Va.
B.S. 1948, Purdue University		Reichers, Mary	

Reichles M.			
Reichley, Norman Paul Reichow, Estelle Vernon Reid Alexander Vernon	Va.	Reves, Raul Gregorio	Mexico
Reid, Alexander Blann Reid, Burt Allen Reid, Evelyn Berry	D.C. D.C. D.C.	B.S. 1946, Georgetown University Regroth, Clarence Dewey, Jr.	***************************************
Reid, Burt Allen	D.C.	Rexroth, Clarence Dewey, Jr.	Pa.
Reid, Evelyn Berry	D.C.	Reymore, Geraid George	Minn.
B.S. 1931, A.M. 1941, College of William and Mary Reid, George Respect	D.C.	A.B. 1943, St. Olaf College Reynders, Gaylord Gordon	_
Poid William and Mary		Revnolds Regismin Insel I	Pa
Reid, George Bernard Reid, George Bernard Reid, Grace Ella Reid, James Alfred Reid, James Sharp A.B. 1937, Cornell University Reid, Joseph Bernard Reid, Richard Sterling A.B. 1943, University of Michigan	Va.	Reynolds, Chester Forest	R.I.
Reid Grave Ell	DC.	Reynolds, Ethel Delores	13.
Reid James Alfan	Va.	Reynolds, Floyd Willmont	8. 5.
Reid, James Sharp	SD.	Reynolds, Gary Stewart	D.C. N.Y. N.Y. D.C.
A.B. 1937. Cornell Haissania	D.C.	Reynolds, George Walbridge	D.C.
Reid, Joseph Bernard	DC.	Reynolds. Grace Hannah	Va. Pa Md
Reid, Richard Sterling	Mich.	Reynolds, Margaret Mary Reynolds, Patricia Amelia	Pa
A. B. 1943, University of Michigan Reid, Ruth Ellen Bull Reid, William Grant	*********	Reynolds William Fraderick	8.4
Reid, William Grant	Va	A.B. 1941. Miami University	DC.
Reidelbach, John Albert, Jr. Reidy, John Cornelius, Jr. Reifin, Martin Gardner	- 15 E of .	A.B. 1941, Miami University Reynolds, William Lavern Reynolds, William Neville A.B. 1948, The George Washington University	Kans,
Reidy, John Cornelius Jr.	Va	Reynolds, William Neville	Va.
Reiffin, Martin Gardner	DC.	A.B. 1948, The George Washington	
B.M.E. 1945, College of the City	20 8.	University	
of New York		Rezanka, Frank Joseph	N.Y
Poilly, Elinor Catherine	DC.	A R 1046 Princeton Haland	N.Y
B.M.E. 1945. College of the City of New York Reilly. Elinor Catherine Reilly. George Kenneth A.B. 1947. The George Washington	Wash.	Rezanks, Frank Joseph Rhame, Harold Ellis, Jr. A.B. 1946, Princeton University Rhine, Mary Elizabeth	73
University University			Pa.
Keima Marcal Chialaia		Knoads, Kobert Jetterson	Mich III
	DC.	Knodel Fric Poster	DC.
Reiner, Albert Lester Reiner, Burton Jay Reinhardt, Arthur F. Reininger, Dovis Elaine	Iowa	Rhodes, Hubert McDonald, Jr. Rhodes, James Joseph Rhodes, Jeanne Audrey	Va.
Reiner, Burton Jay	D.C.	Rhodes, James Joseph	DC
Reinhardt, Arthur F.	D.C. D.C. N.Y	Rhodes, Jeanne Audrev Rhodes, Linwood Adolph Rhodes, Robert Donald	Mo
A R	D.C.	Rhodes, Robert Donald	1 3.
A.B. 1948, Hood College Reinking, Carl Louis Reintzel, Malcolm Francis Reisch, James Reginald Reiss, Phillip Kahan		Rhodes, Robert Garrett	Pa
Reintzel Malcolm Farmain	D.C. D.C. N.Y.	B.S. 1947. University of Pittsburgh	Pa
Reisch, James Reginald	D.C.	M.B.A. 1948, University of	
Reiss, Phillip Kahan	N.Y.	l'ennsylvania	
Trees, MUNICIT SIEMAN	N.Y. Va. D.C. N.Y. N.Y. N.J. D.C. D.C.	Rhome, Otto Crandall Rhyne, Brice Wilson	Tex.
Reiter, Alfred William	N.V.	Rhyne, Brice Wilson	1'2
Reiter, Jack	N.Y.	Rhynsburger, Robert Whitman	12.
Reitman, Robert Stephen Reitman, Seymour George	N.J.	Ribas, Alfred Ribble, Ralph Jackson Rice, Carol Lynn	N.Y.
Rekas Joseph	N.J.	Rice Cord I was	Tex.
Rekas, Joseph Rekas, Joseph Rellas, John Pericles Rellick, Kathryn Elizabeth Remaley, Charles Bertelle	D.C.	Dice Elizabert A	D.C.
Rellick, Kathryn Elizabeth	D.C.	Rice, Eugene Worthington B.S. 1943, West Virginia University M.S. 1946, The George Washington University	Va.
Remaley, Charles Bertelle	1.31	B.S. 1942. West Viccinia Water	D.C.
D.S. 100F Allenham O H	Md.	M.S. 1948, The George Washington	
Actuel, Millinell Leon	Fla.	University	
Kemington, Joseph Joy	Ohio	Rice, Eunice Fav	Da
Remke, Mariann	111.	Rice, Geraldine Genevieve	D.C.
Renborg, Bertil	Va.	Rice, Gertrude Bruce	III.
A.B. 1948. The George Washington	4 45 ,	Rice, John Lalor	Va. Vt.
		Kice, John Wade Ir	D.C.
Rendler, Norbert Joseph Rengel, Richard	Wash.	KICE, Militard Shamill	Md.
		A B 1000 Haimania dan	1410.
B.E.E. 1946. University of Minneson Reno, Raymond Howard Rentch John Kongard	a.	Carolina B.S. 1931, University of Virginia Rice, Millard Recent In	
Rentch, John Kenneth	Ind.	Rice Millard Partiety of Virginia	
A.B. 1939, Concord College	W.Va.	Rice, Millard Berger, Jr. Rice, Peter Paul	Va.
Repak, Peter		BS 1018 Cana To 1	D.C.
Kepetti Edward Mantana	Pa.	B.S. 1938, State Teachers College,	-
	D.C.	Rice, Ray Howard I.	
reduct Rolle Dertha	D.C.	KICE, VIPRIDIA LOUISA	Va.
Neig, David Lowin	D.C.	A.B. 1947. University of Southern	Calif.
Kesnick, Alleck Athan	D.C.		
O.D 1047 Western 34 1 1	Md.	Rich, Donald Jenkins Rich, Francis Earl	
Resnick, Eather Maryland College	DC	Rich, Francis Earl	Va.
Retalaff Bernice Duck	D.C.	D.S. 1941, United States Manual	Miss.
B.S. 1945, University of Nebraska Reuschlein, Richard Watson	Nebr.		
Reuschlein, Richard Watson	Md.	Rich, Irene Silverman	DC
Reverdin, Daniel Louis	D.C.	B.S. 1940, Wilson Teachers College Rich, Peter Michael	D.C.
		Kitti, Feter Michael	D.C.
			Sec. Commercial

A.B. 1931, Emory and Henry College A.M. 1944, The George Washington University Richards. Allonso Richards. Eleanor Hamby Richards. Glenn Davis Richards. Glenn Davis Richards. Righp Julian Imbrie, Jr. Richards. Righp Julian, Jr. Richards. Righp Julian, Jr. Richards. Righp Julian, Jr. Richards. Suzanne Virginia A.B. 1948. The George Washington University Richardson. George William B.S. 1941. The George Washington University Richardson. Henry A. Richardson. Howard Robertson A.B. 1937. Ellon College A.M. 1932. College of William and Richardson. Margina Elizabeth Richardson. Margina Elizabeth Richardson, Margina Elizabeth Richardson, Margina Elizabeth Richardson, Margina Elizabeth Richardson, William Albert Richardson, Joan Margaret Richardson, William Albert Richardson, William Albert Richardson, William Albert Richardson, William Albert Richardson, Joan Margaret Richardson, William Albert Richardson, W	D'.L W/111 W-11	W.	Difficial Davis Man	I
University Richards, Barton Morgan Richards, Glenno Davis Richards, Julian Imbrie, Jr. Richards, Aghip Julian, Jr. Richards, Raiph Julian, Jr. Richards, Suzanne Virginia A.B. 1948. The George Washington Richards, William Robert Richards, Occasing Washington Richards, William Robert Richards, Occasing Washington Richards, Occasing Washington Richards, Occasing Washington Richards, Charles Grant Richards, Charles Grant Richards, Charles Grant Richardson, Charles Grant Richardson, Cavity Grant Richardson, George William B.S. 1941. The George Washington University Richardson, Howard Robertson A.B. 1937. Elon College A.M. 1932, College of William and Richardson, Marjorie Liliabeth Richardson, Marjorie Liliabeth Richardson, Marjorie Liliaf Florida Richardson, Marjorie Liliaf Florida Richardson, Walliam Albert Richardson, William Albert Richardson, Will	A R 1011 Emory and Henry College	Va.	RS 1044 Wilson Teachers College	
University Richards, Barton Morgan Richards, Glenno Davis Richards, Julian Imbrie, Jr. Richards, Aghip Julian, Jr. Richards, Raiph Julian, Jr. Richards, Suzanne Virginia A.B. 1948. The George Washington Richards, William Robert Richards, Occasing Washington Richards, William Robert Richards, Occasing Washington Richards, Occasing Washington Richards, Occasing Washington Richards, Charles Grant Richards, Charles Grant Richards, Charles Grant Richardson, Charles Grant Richardson, Cavity Grant Richardson, George William B.S. 1941. The George Washington University Richardson, Howard Robertson A.B. 1937. Elon College A.M. 1932, College of William and Richardson, Marjorie Liliabeth Richardson, Marjorie Liliabeth Richardson, Marjorie Liliaf Florida Richardson, Marjorie Liliaf Florida Richardson, Walliam Albert Richardson, William Albert Richardson, Will	A.M. 1944. The George Washington		Riggle Dorothy	(
Richards, Eleanor Hamby Richards, Glenn Davis Richards, Julian Imbrie, Jr. Richards, Suame Carlin, Jr. Richards, Suame Carlin, Jr. Richards, Suame Nirginia A.B. 1963. The George Washington Linstitute B.S. 1941. The George Washington University Richardson, George William B.S. 1941. The George Washington University Richardson, Howard Robertson A.B. 1937. Ellon College A.M. 1937. Ellon College Richardson, Margine Elizabeth Richardson, Walliam Albert Richardson, Walliam Albert Richardson, William Albert Richardson, Joan Margaret Richardson, Margine Elizabeth Richardso	University		Riggs, Annette Mosher	
Richards, Eleanor Hamby Richards, Glenn Davis Richards, Julian Imbrie, Jr. Richards, Suame Carlin, Jr. Richards, Suame Carlin, Jr. Richards, Suame Nirginia A.B. 1963. The George Washington Linstitute B.S. 1941. The George Washington University Richardson, George William B.S. 1941. The George Washington University Richardson, Howard Robertson A.B. 1937. Ellon College A.M. 1937. Ellon College Richardson, Margine Elizabeth Richardson, Walliam Albert Richardson, Walliam Albert Richardson, William Albert Richardson, Joan Margaret Richardson, Margine Elizabeth Richardso	Richards, Alfonso		Riggs, Bradner Charles	1
Richards, James Castin Richards, Ralph Julian, Jr. Richards, Ralph Julian, Jr. Richards, Suzanne Virginia A.B. 1948. The George Washington University Richardson, Charles Grant Institute Richardson, Goorge William B.S. 1941. The George Washington University Richardson, Howard Robertson A.B. 1932. College of William and Mary Richardson, Howard Robertson A.B. 1932. College of William and Mary Richardson, Joan Margaret Richardson, Mariori Elizabeth Richardson, Samuel Churchwell Richardson, Walter John Richard	Richards, Barton Morgan	Va.	Kipps C.dwin C.ugene	î
Richards, James Castin Richards, Ralph Julian, Jr. Richards, Ralph Julian, Jr. Richards, Suzanne Virginia A.B. 1948. The George Washington University Richardson, Charles Grant Institute Richardson, Goorge William B.S. 1941. The George Washington University Richardson, Howard Robertson A.B. 1932. College of William and Mary Richardson, Howard Robertson A.B. 1932. College of William and Mary Richardson, Joan Margaret Richardson, Mariori Elizabeth Richardson, Samuel Churchwell Richardson, Walter John Richard	Richards, Eleanor Hamby	N.M.	Rigsby, Austin Morgan	Ĩ
Richards, Julian Imbrie, Jr. Richards, Suzanne Virginia A.B. 1948, The George Washington University Richards, William Robert Richardson, Charles Grant Richardson, Edward Eugene B.S. in E.E. 1943, Rose Polytechnic Institute Richardson, George William B.S. 1941, The George Washington University Richardson, Honyard Robertson A.B. 1932, College of William and Mary Richardson, Joan Margaret Richardson, Maric Elizabeth Richardson, Maric Elizabeth Richardson, Maric Fitzabeth Richardson, Maric Fitzabeth Richardson, Maric Fitzabeth Richardson, Maric Fitzabeth Richardson, Maric Totten Richardson, William Albert Richar	Richards, Glenn Davis	Va.	Rihi, Mary Lois	
Richards, Kaiph Julian, Jr. Richards, Suzanne Virginia AB. 1948. The George Washington University Richardson, Charles Grant Richardson, Charles Grant Richardson, Gorge William B.S. 1941. The George Washington University Richardson, Howard Robertson A.B. 1927. Elon College A.M. 1932. College of William and Mary Richardson, Joan Margaret Richardson, Marine Elizabeth Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, Walter John Richardson, Januardson, Walter John Richardson, Januardson, Walter John Richardson, Januardson, Walter John	Richards, James Carlin Richards, Julian Imbria Is	Md.	RS 1048 Wilson Teachers College	
Richards, Suzanne Virginia A.B. 1948, The George Washington University Richardson, Charles Grant Richardson, Edward Eugne B.S. in E.E. 1943, Rose Polytechnic Institute Richardson, George William B.S. 1941, The George Washington University Richardson, Honyard Robertson A.B. 1932, College of William and Mary Richardson, Marcia Elizabeth Richardson, Marcia Elizabeth Richardson, Marcia Elizabeth Richardson, Marciorie Lillian B.S. 1947, University of Florida Richardson, Thomas Totten Richardson, Walter John B.S. 1947, University of Florida Richardson, Walter John Richardson, Walter John Richardson, William Albert	Richards Rainh Iulian, Ir.		Riley, Charles Francis	L
A.B. 1948, The George Washington University Richardson, Charles Grant Richardson, Edward Eugene B.S. in E.E. 1943, Rose Polytechnic Institute B.S. 1941, The George Washington University Richardson, Howard Robertson A.B. 1927, Elon College A.M. 1932, College of William and Richardson, Howard Robertson A.B. 1927, Elon College A.M. 1932, College of William and Richardson, Margiaret Richardson, Margiaret Richardson, Margiaret Richardson, Margiori Ellilian B.S. 1947, University of Florida Richardson, William Albert Richardson, William Albert Richardson, William Albert Richemond, Loois Richardson, William Albert Richmond, Loois Richardson, William Albert Richmond, Loois Richardson, William Albert Richwine, Francis Kost Richerts, Ruth Emma Ricketts, Max Verne Ricketts, Robert Lee Ricketts, Robert Lee Ricketts, Robert Lee Ricketts, Robert Lee Ricketts, Max Verne	Richards, Suzanne Virginia	D.C.	Riley, Jeremiah Thomas	M
Richardson, Carles Grant Richardson, Edward Eugene B.S. in E.E. 1943, Rose Polytechnic Institute Richardson, George William B.S. 1941, The George Washington University Richardson, Joan Margaret Richardson, Joan Margaret Richardson, Marcia Elizabeth Richardson, Marcia Elizabeth Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, Walter John Richardson, Walter John Richardson, Walter Francis Richardson, Walter John Richardson, Walter Francis Richardson, Walter John Richardson, Walter John Richardson, Walter Francis Richardson, Walter John Richardson, Walter Francis Richardson, Walter Francis Richardson, Walter John Richardson, Walter John Richardson, Walter Francis R	A.B. 1948, The George Washington		Riley, John Nathan	100
Richardson, Carles Grant Richardson, Edward Eugene B.S. in E.E. 1943, Rose Polytechnic Institute Richardson, George William B.S. 1941, The George Washington University Richardson, Joan Margaret Richardson, Joan Margaret Richardson, Marcia Elizabeth Richardson, Marcia Elizabeth Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, Walter John Richardson, Walter John Richardson, Walter Francis Richardson, Walter John Richardson, Walter Francis Richardson, Walter John Richardson, Walter John Richardson, Walter Francis Richardson, Walter John Richardson, Walter Francis Richardson, Walter Francis Richardson, Walter John Richardson, Walter John Richardson, Walter Francis R	University		Riley, Lester Anthony	10
Richardson. Edward Eugene B.S. in E.E. 1943, Rose Polytechnic Institute B.S. 1941, The George Washington University Richardson, Henry A. Richardson, Henry A. Richardson, Henry A. Richardson, Joan Margaret Richardson, Marjorie Lillian B.S. 1947, University of Florida Richardson, Marjorie Lillian B.S. 1947, University of Florida Richardson, Walter John Richardson, Margaret Richardson, John Louis Riseling, John Jooseph, Jr. Rishty, Leo Morris Riselt, Charlot Callege Ritcher, Robert Urain A.B. 1947, Naount Holyoke College Ritcher, Richard Martin Richardson, Walter Richardson, Walter Richardson, Walter Richardson, Leon Delbert Richardson, Walter Richardson, Leon Delbert Richardson, Walter Richardson, Leon Delbert Richardson, Leon Delbert Richardson, Walter Richardson, Leon Delbert Richardson, Walter Richardson, Margaret Richardson, Margaret Richardson, Margaret Richardson, Margaret Richardson, John Louis Richardson, Margaret Richardson, John Louis Richardson, Margaret Richardson,		D.C.	Rimko, Velma Mae	
B.S. in E.E. 1943, Rose Polytechnic Intatitute Richardson, George William B.S. 1941, The George Washington University Richardson, Honry A. Richardson, Honry A. Richardson, Joan Margaret Richardson, Marcia Elizabeth Richardson, Marcia Elizabeth Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, Walter John Richardson, William Albert Richardson, William State College Richter, Richard Martin Richwine, Francis Kost B.S. 1947, Pennsylvania State College Rickards, Herbert Betz Rickerts, Noble George Ricketts, Max Verne Ricketts, Max Verne Ricketts, Max Verne Ricketts, Max Verne Ricketts, Robert Lee Ricketts, Max Verne Ricketts, Robert Lee Ricketts, Max Verne Ricketts, Robert Lee Ricketts, William Marion, Jr. Riddle, Ewlyn Sue Riddle, Ewlyn Sue Riddle, Ewlyn Sue Riddle, William Marion, Jr. Riddle, Ewlyn Sue Riddle, Ewlyn Sue Riddle, Ewlyn Sue Riddle, Ewlyn Sue Riddle, Francis Riddle,	Richardson, Charles Grant	D.C.	A.B. 1945, Bethany College	
Richardson, George William B.S. 1941, The George Washington University Richardson, Henry A. B. 1947, Elon College A.M. 1933, College of William and Mary Richardson, Margiaret Richardson, Marcia Elizabeth Richardson, Marcia Elizabeth Richardson, Marcia Elizabeth Richardson, Marcia Elizabeth Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, Walter John Richardson, Walter John Richardson, Walter John Richardson, William Albert Richemer, Walter Francis Richerdson, William Albert Richemer, Walter Francis Richerdson, William Albert Richemond, Louis Richemond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richerdson, William Albert Richemond, Susan Virginia A.B. 1947, Mount Holyoke College Richards, Rebert Lee Rickers, Ruth Emma Ricketts, Noble George Rickers, Ruth Emma Ricketts, Noble George Rickers, Ruth Emma Ricketts, Noble George Ricketts, Robert Lee Rickets, Noble George Ricketts, Noble George Ricketts, Noble George Ricketts, Noble George Ricketts, Robert Lee Rickets, Robert Lee Ricketts, Noble George Ricketts, Robert Lee Rickets, Robert Lee Ricketts, Noble George Ricketts, Robert Lee Rickets, Robert Les Ricketts,	Richardson, Edward Eugene	anu.	Rinaldi, Eugene Dindlishaches Asthus William	¥
Richardson, Howard Robertson A.B. 1032, College of William and Mary Richardson, Marcia Elizabeth Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, William Albert Richardson, William Albert Richardson, William Malbert Richeimer, Walter Francis Richardson, William Malert Richemond, Lionel Richardson, Leon Delbert Richmond, Lionel Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Susan Virginia A.B. 1017, Randolph-Macon Woman's College Richter, Richard Martin Richwine, Francis Kost B.S. 1941, Pennsylvania State College Ricketts, Max Verne Ricketts, Max Verne Ricketts, Nobler George Ricketts, Robert Lee Ric	Institute		RS 1047 State Teachers College,	
Richardson, Howard Robertson A.B. 1032, College of William and Mary Richardson, Marcia Elizabeth Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, William Albert Richardson, William Albert Richardson, William Malbert Richeimer, Walter Francis Richardson, William Malert Richemond, Lionel Richardson, Leon Delbert Richmond, Lionel Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Susan Virginia A.B. 1017, Randolph-Macon Woman's College Richter, Richard Martin Richwine, Francis Kost B.S. 1941, Pennsylvania State College Ricketts, Max Verne Ricketts, Max Verne Ricketts, Nobler George Ricketts, Robert Lee Ric	Richardson, George William	Md.	Eau Claire, Wis.	
Richardson, Howard Robertson A.B. 1032, College of William and Mary Richardson, Marcia Elizabeth Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, William Albert Richardson, William Albert Richardson, William Malbert Richeimer, Walter Francis Richardson, William Malert Richemond, Lionel Richardson, Leon Delbert Richmond, Lionel Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Susan Virginia A.B. 1017, Randolph-Macon Woman's College Richter, Richard Martin Richwine, Francis Kost B.S. 1941, Pennsylvania State College Ricketts, Max Verne Ricketts, Max Verne Ricketts, Nobler George Ricketts, Robert Lee Ric	B.S. 1941. The George Washington		Riner, William Carter	1
Richardson, Howard Robertson A.B. 1032, College of William and Mary Richardson, Marcia Elizabeth Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, William Albert Richardson, William Albert Richardson, William Malbert Richeimer, Walter Francis Richardson, William Malert Richemond, Lionel Richardson, Leon Delbert Richmond, Lionel Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Susan Virginia A.B. 1017, Randolph-Macon Woman's College Richter, Richard Martin Richwine, Francis Kost B.S. 1941, Pennsylvania State College Ricketts, Max Verne Ricketts, Max Verne Ricketts, Nobler George Ricketts, Robert Lee Ric	University		Ring, Emily Schmite	1
A.B. 1932, College of William and Mary Richardson, Joan Margaret Richardson, Marjorie Lillian B.S. 1947, University of Florida Richardson, Marjorie Lillian B.S. 1947, University of Florida Richardson, Samuel Churchwell Richardson, Walter John Richardson, William Albert Richeson, Leon Delbert Richeson, Leon Delbert Richeson, Leon Delbert Richmond, Lionel Richmond, Lionel Richmond, Susan Virginia A.B. 1917, Randolph-Macon Woman's College Rickard, Herbert Betz Rickers, Ruth Emma Ricketts, Max Verne Ricketts, Max Verne Ricketts, Mobel George Ricketts, Robert Lee Ricketx, Robert Lee Ricketx, Bobert Lee Rickety, Evelyn Mae Ricketts, Moble George Ricklim, Robert Vance Riddel, Edward Leo Riddel, Edward Leo Riddel, Edward Leo Riddel, Edward Leo Riddel, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddel, Francis Ridge, Frank Ridgeway, Jesse Edward A.B. 1947, The George Washington University Riddel, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddel, Edward Leo Riddel, Robert Vance Ridge, Frank Ridgeway, Jesse Edward A.B. 1947, The George Washington University Riddel, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddel, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddel, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddel, Frank Ridgeway, Jesse Edward A.B. 1947, University of Wyoming Rieur, Renan Ridgeway, Jesse Edward A.B. 1947, University of Wyoming Rieur, Renan Ridge, Robert Vance Ricker, Richard Martin Richerts, Aubret Lee Ricker, Robert Lee Ri	Richardson, Henry A.	Va.	Ring, Jack Austin	N
A.M. 1932. College of William and Mary Richardson, Joan Margaret Richardson, Marcia Elizabeth Richardson, Marcia Elizabeth Richardson, Marcia Elizabeth Richardson, Samuel Churchwell Richardson, Samuel Churchwell Richardson, Walter John Richardson, William Albert Richardson, William Albert Richardson, William Albert Richardson, William Albert Richemond, Loinel Richemond, Loinel Richmond, Loinel Richmond, Loinel Richmond, Samuel Virginia A.B. 1947, Mount Holyoke College Ritcher, Alberty Laurence Ritcher, Alberty Laurence Ritcher, Richard Martin Richwine, Francis Kost B.S. 1947, Pennsylvania State College Rickards, Mary Verne Rickers, Ruth Emma Ricketts, Noble George Ricketts, Noble George Ricketts, Robert Lee Rickers, Liabelle Mary A.B. 1945, The George Washington University Riddell, Edward Leo Riddick, William Marion, Jr. Riddele, Edward A.B. 1946, The George Washington University Riddell, Edward Leo Riddick, William James Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddell, Edward Leo Riddick, William James Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddell, Edward Loo Riddick, William James Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddell, Flacido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddell, Flacido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddell, Flacido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddell, Flacido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddell, Flacido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddell, Edward Leo Riddick, William James Rieckets, Richard Gharles Ricker, John Wesley Ritter, John Wesley Ritter, John Wesley Ritter, Julius Charles Ritter, John Wesley Ritter, John Wesley	Richardson, Howard Kobertson	VII.	Ring, Paul Donald	D
Richardson, Joan Margaret Richardson, Marcia Elizabeth Richardson, Thomas Totten Richardson, Walter John Richardson, Walter John Richardson, Wiltiam Albert Richemon, Walter John Richeson. Leon Delbert Richeson, Leon Delbert Richeson, Leon Delbert Richmond, Louis Richmond, Louis Richmond, Louis Richmond, Susan Virginia A.B. 1017, Randolph-Macon Woman's College Richter, Richard Martin Richwine, Francis Kost B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Rickers, Ruh Emma Ricketts, Noble George Ricketts,	A.M. 1917, Elon College of William and			
Richardson, Marga Elizabeth Richardson, Marga Elizabeth Richardson, Samuel Churchwell Richardson, Thomas Totten Richardson, Walter John Richardson, Wiltiam Albert Richeimer, Walter Francis Richeimer, Walter Francis Richemond, Louis Richmond, Louis Richmond, Louis Richmond, Susan Virginia A.B. 1927. Randolph-Macon Woman's College Richter, Richard Martin Richardson, Herbert Betz Rickards, Herbert Betz Rickerts, Max Verne Ricketts, Max Verne Ricketts, Max Verne Ricketts, Max Verne Ricketts, Robert Lee Rickey, Evelyn Mae Rickett, Robert Lee Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1947. The George Washington University Riddell, Edward Leo Ridge, Frank Ridge, Robert Vance Rickett, Robert Lanc Rickett, Robert Lanc Ridge, Frank Ridge, Francis Ridge, Frank Ridge, F	Mary		A B 1012 Ohio State University	-
Richardson, Marga Elizabeth Richardson, Marga Elizabeth Richardson, Samuel Churchwell Richardson, Thomas Totten Richardson, Walter John Richardson, Wiltiam Albert Richeimer, Walter Francis Richeimer, Walter Francis Richemond, Louis Richmond, Louis Richmond, Louis Richmond, Susan Virginia A.B. 1927. Randolph-Macon Woman's College Richter, Richard Martin Richardson, Herbert Betz Rickards, Herbert Betz Rickerts, Max Verne Ricketts, Max Verne Ricketts, Max Verne Ricketts, Max Verne Ricketts, Robert Lee Rickey, Evelyn Mae Rickett, Robert Lee Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1947. The George Washington University Riddell, Edward Leo Ridge, Frank Ridge, Robert Vance Rickett, Robert Lanc Rickett, Robert Lanc Ridge, Frank Ridge, Francis Ridge, Frank Ridge, F	Richardson, Joan Margaret	D.C.	Risdon, John Louis	13
Richardson, Samuel Churchwell Richardson, Walter John Richardson, Walter Francis Richeimer, Walter Francis Richemer, Walter Francis Richemond, Lonel Richmond, Louse Richmond, Louis Richmond, Susan Virginia A.B. 1017, Randolph-Macon Woman's College Richter, Richard Martin Richwine, Francis Kost B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Rickers, Ruth Emma Rickers, Ruth Emma Ricketts, Max Verne Ricketts, Moble George Ricketts, Noble George Ricketts, Noble George Ricketts, Noble George Ricketts, Noble George Ricketts, Isabelle Mary A.B. 1047, Mount Holyoke College Rittenhouse, Jeanne Ritter, Golin Rittenhouse, Jeanne Rittenhouse, Jeanne Ritter, Golin Rittenhouse, Jeanne Rittenho	Richardson, Marcia Elizabeth	D.C.	Riseling, John Joseph, Jr.	D
Richardson, Samuel Churchwell Richardson, Walter John Richardson, Walter Francis Richeimer, Walter Francis Richemer, Walter Francis Richemond, Lonel Richmond, Louse Richmond, Louis Richmond, Susan Virginia A.B. 1017, Randolph-Macon Woman's College Richter, Richard Martin Richwine, Francis Kost B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Rickers, Ruth Emma Rickers, Ruth Emma Ricketts, Max Verne Ricketts, Moble George Ricketts, Noble George Ricketts, Noble George Ricketts, Noble George Ricketts, Noble George Ricketts, Isabelle Mary A.B. 1047, Mount Holyoke College Rittenhouse, Jeanne Ritter, Golin Rittenhouse, Jeanne Rittenhouse, Jeanne Ritter, Golin Rittenhouse, Jeanne Rittenho	Richardson, Marjorie Lillian	Fla.	Rishty, Leo Morris	W.
Richmond, Louis Richmond, Susan Virginia A.B. 1917, Randolph-Macon Woman's College Richter, Richard Martin Richeris, Francis Kost B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Rickers, Ruth Emma Rickets, Max Verne Ricketts, Noble George Ricketts, Noble George Ricketts, Robert Lee Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1947, The George Washington University Ricklis, Henry Ricklis, Henry Ricklis, Henry Riddell. Edward Leo Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Rickers, Richard Charles Ritter, Colin B.S. 1941, Wilson Teachers College Ritter, George Wesley Ritter, George Ritter, George Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George R	B.S. 1947, University of Florida	A1.	Kissler, Kobert Urain	
Richmond, Louis Richmond, Susan Virginia A.B. 1917, Randolph-Macon Woman's College Richter, Richard Martin Richeris, Francis Kost B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Rickers, Ruth Emma Rickets, Max Verne Ricketts, Noble George Ricketts, Noble George Ricketts, Robert Lee Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1947, The George Washington University Ricklis, Henry Ricklis, Henry Ricklis, Henry Riddell. Edward Leo Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Rickers, Richard Charles Ritter, Colin B.S. 1941, Wilson Teachers College Ritter, George Wesley Ritter, George Ritter, George Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George R	Richardson, Samuel Churchwell		A.B. 1947, Shepherd College	K
Richmond, Louis Richmond, Susan Virginia A.B. 1917, Randolph-Macon Woman's College Richter, Richard Martin Richeris, Francis Kost B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Rickers, Ruth Emma Rickets, Max Verne Ricketts, Noble George Ricketts, Noble George Ricketts, Robert Lee Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1947, The George Washington University Ricklis, Henry Ricklis, Henry Ricklis, Henry Riddell. Edward Leo Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Rickers, Richard Charles Ritter, Colin B.S. 1941, Wilson Teachers College Ritter, George Wesley Ritter, George Ritter, George Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George R	Richardson, I homas I otten	Conn.	Ristig, Charlotte Elite	K
Richmond, Louis Richmond, Susan Virginia A.B. 1917, Randolph-Macon Woman's College Richter, Richard Martin Richeris, Francis Kost B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Rickers, Ruth Emma Rickets, Max Verne Ricketts, Noble George Ricketts, Noble George Ricketts, Robert Lee Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1947, The George Washington University Ricklis, Henry Ricklis, Henry Ricklis, Henry Riddell. Edward Leo Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Rickers, Richard Charles Ritter, Colin B.S. 1941, Wilson Teachers College Ritter, George Wesley Ritter, George Ritter, George Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George R	Pichardson, Walter John	D.C	Pitchey Mary Ruth	
Richmond, Louis Richmond, Susan Virginia A.B. 1917, Randolph-Macon Woman's College Richter, Richard Martin Richeris, Francis Kost B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Rickers, Ruth Emma Rickets, Max Verne Ricketts, Noble George Ricketts, Noble George Ricketts, Robert Lee Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1947, The George Washington University Ricklis, Henry Ricklis, Henry Ricklis, Henry Riddell. Edward Leo Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Rickers, Richard Charles Ritter, Colin B.S. 1941, Wilson Teachers College Ritter, George Wesley Ritter, George Ritter, George Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George R	Richeimer Walter Francis	Ohio	A B 1047, Mount Holyoke College	
Richmond, Louis Richmond, Susan Virginia A.B. 1917, Randolph-Macon Woman's College Richter, Richard Martin Richeris, Francis Kost B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Rickers, Ruth Emma Rickets, Max Verne Ricketts, Noble George Ricketts, Noble George Ricketts, Robert Lee Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1947, The George Washington University Ricklis, Henry Ricklis, Henry Ricklis, Henry Riddell. Edward Leo Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Rickers, Richard Charles Ritter, Colin B.S. 1941, Wilson Teachers College Ritter, George Wesley Ritter, George Ritter, George Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George Wesley Ritter, George R	Richeson, Leon Delbert	III.	Ritchie, Calvin Donald	
Richmond, Susan Virginia A.B. 1017, Randolph-Macon Woman's College Richter, Richard Martin Richwine, Francis Kost B.S. 1941, Pennsylvania State College Rickarda, Herbert Betz Rickers, Ruth Emma Rickers, Ruth Emma Rickets, Max Verne Ricketts, Noble George Ricketts, Robert Lee Ricketts, Robert Lee Ricketts, Noble George Ricketts, Robert Lee Ricketts, Noble George Ritter, John Wesley Ritter, John Abert Ritter, John Meson Ritter, John Abert Ritter,	Richmond, Lionel	Va.	Ritchie, Frederick Monks	103
A.B. 1017, Randolph-Macon Woman's College Richter, Richard Martin Richwine. Francis Kost Pa. B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Mich. Rickers. Ruth Emma Iowa Ricketts. Max Verne Kans. Ricketts. Noble George D.C. Ricketts. Noble George D.C. Ricketts. Robert Lee Va. Rickey, Evelyn Mae Rickey, Riddle. Evelyn Sue D.C. Riddle. Evelyn Sue Edward A.B. 1946, The George Washington University Rickey, Franando Jose Rizon, George E. Rizon, Geor	Richmond, Louis	N.Y.	Kittennouse, Jeanne	D.
A.B. 1017, Randolph-Macon Woman College Richter, Richard Martin Richwine, Francis Kost B.S. 1941, Pennsylvania State College Rickards, Herbert Betz Rickers, Ruth Emma Ricketts, Moble George Ricketts, Noble George Ricketts, Noble George Ricketts, Noble George Ricketts, Robert Lee Rickey, Evelyn Mae Rickey, Evelyn Mae Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1047, The George Washington University Riddle, Edward Leo Riddle, Edward Leo Riddle, Evelyn Sue Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgath, Robert Vance Ricker, William James Ricken, Richard Charles Rieber, William James Riecken, Richard Charles Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Riktind, Bernard David B.S. 1948, Wason Teaccest College Ritter, John Wesley R	Richmond, Susan Virginia	D.C.	Ritter, Colin	
Rickets, Max Verne Ricketts, Moble George Ricketts, Robert Lee Rickey, Isabelle Mary A.B. 1047, The George Washington University Ricklis, Henry Ricklis, Henry Riddell. Edward Leo Ridge, Frank Ridgeway, Jesse Edward A.B. 1046, The George Washington University Riddlh, Placido Francis Ridgath, Robert Vance Ricker, Richard Charles Rieecken, Richard Charles Rieecken, Richard Charles Riee, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Riktind, Bernard David Ritta, Roy Ellot, Jr. A.B. 1048, The George Washington University Ritzenberg, Albert A.B. 1048, Hord Maryland A.B. 1049, The George Washington University of North Carolina Rivera, Andrea Rivera, Andrea Rivera, Carmen Dolores Rivera, Carmen Dolores Rivera, Emilio D.C. Rize, John Albert Rizik, Jacqueline Suzanne A.B. 1048, Amherst College Rizik, Michel A.B. 1048, Amherst College Rizik, Michel A.B. 1048, Amherst College Rivera, Emilio Rivera, Emilio Rivera, Emilio Rivera, Emilio Rivera, Larnei Dolores Rivera, Carmen Dolores Rivera, Andrea Rivera, Emilio Rivera, Emilio Rivera, Carmen Dolores Rivera, Andrea Rivera, Carmen Dolores Rivera, Carmen Dolore	A.B. 1917, Kandolph-Macon Woman		B.S. 1941, Wilson Teachers Come	
Rickets, Max Verne Ricketts, Moble George Ricketts, Robert Lee Rickey, Isabelle Mary A.B. 1047, The George Washington University Ricklis, Henry Ricklis, Henry Riddell. Edward Leo Ridge, Frank Ridgeway, Jesse Edward A.B. 1046, The George Washington University Riddlh, Placido Francis Ridgath, Robert Vance Ricker, Richard Charles Rieecken, Richard Charles Rieecken, Richard Charles Riee, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Riktind, Bernard David Ritta, Roy Ellot, Jr. A.B. 1048, The George Washington University Ritzenberg, Albert A.B. 1048, Hord Maryland A.B. 1049, The George Washington University of North Carolina Rivera, Andrea Rivera, Andrea Rivera, Carmen Dolores Rivera, Carmen Dolores Rivera, Emilio D.C. Rize, John Albert Rizik, Jacqueline Suzanne A.B. 1048, Amherst College Rizik, Michel A.B. 1048, Amherst College Rizik, Michel A.B. 1048, Amherst College Rivera, Emilio Rivera, Emilio Rivera, Emilio Rivera, Emilio Rivera, Larnei Dolores Rivera, Carmen Dolores Rivera, Andrea Rivera, Emilio Rivera, Emilio Rivera, Carmen Dolores Rivera, Andrea Rivera, Carmen Dolores Rivera, Carmen Dolore	Dishan Dishard Martin	DC	Ritter, George Wesley	18
Rickets, Max Verne Ricketts, Moble George Ricketts, Robert Lee Rickey, Isabelle Mary A.B. 1047, The George Washington University Ricklis, Henry Ricklis, Henry Riddell. Edward Leo Ridge, Frank Ridgeway, Jesse Edward A.B. 1046, The George Washington University Riddlh, Placido Francis Ridgath, Robert Vance Ricker, Richard Charles Rieecken, Richard Charles Rieecken, Richard Charles Riee, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Riktind, Bernard David Ritta, Roy Ellot, Jr. A.B. 1048, The George Washington University Ritzenberg, Albert A.B. 1048, Hord Maryland A.B. 1049, The George Washington University of North Carolina Rivera, Andrea Rivera, Andrea Rivera, Carmen Dolores Rivera, Carmen Dolores Rivera, Emilio D.C. Rize, John Albert Rizik, Jacqueline Suzanne A.B. 1048, Amherst College Rizik, Michel A.B. 1048, Amherst College Rizik, Michel A.B. 1048, Amherst College Rivera, Emilio Rivera, Emilio Rivera, Emilio Rivera, Emilio Rivera, Larnei Dolores Rivera, Carmen Dolores Rivera, Andrea Rivera, Emilio Rivera, Emilio Rivera, Carmen Dolores Rivera, Andrea Rivera, Carmen Dolores Rivera, Carmen Dolore	Richwine Francis Kost	Pa.	Distant John Wesley	13
Rickets, Max Verne Ricketts, Moble George Ricketts, Robert Lee Rickey, Isabelle Mary A.B. 1047, The George Washington University Ricklis, Henry Ricklis, Henry Riddell. Edward Leo Ridge, Frank Ridgeway, Jesse Edward A.B. 1046, The George Washington University Riddlh, Placido Francis Ridgath, Robert Vance Ricker, Richard Charles Rieecken, Richard Charles Rieecken, Richard Charles Riee, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Riktind, Bernard David Ritta, Roy Ellot, Jr. A.B. 1048, The George Washington University Ritzenberg, Albert A.B. 1048, Hord Maryland A.B. 1049, The George Washington University of North Carolina Rivera, Andrea Rivera, Andrea Rivera, Carmen Dolores Rivera, Carmen Dolores Rivera, Emilio D.C. Rize, John Albert Rizik, Jacqueline Suzanne A.B. 1048, Amherst College Rizik, Michel A.B. 1048, Amherst College Rizik, Michel A.B. 1048, Amherst College Rivera, Emilio Rivera, Emilio Rivera, Emilio Rivera, Emilio Rivera, Larnei Dolores Rivera, Carmen Dolores Rivera, Andrea Rivera, Emilio Rivera, Emilio Rivera, Carmen Dolores Rivera, Andrea Rivera, Carmen Dolores Rivera, Carmen Dolore	B.S. 1041. Pennsylvania State College		Ritter Julius Charles	T
Ricketts. Noble George Ricketts. Robert Lee Rickey, Evelyn Mae Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1047, The George Washington University Ricklis, Henry Riddell. Edward Leo Riddick, William Marion, Jr. Riddle. Evelyn Sue Ridge, Frank Ridgeway, Jesse Edward A.B. 1046, The George Washington University Ridolfi. Placido Francis Ridgath, Robert Vance Ricker, William James Riecken, Richard Charles Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Riktind, Bernard David D.C. Rizzenberg, Madeleine Snowden Rizzenberg, Madeleine Snowden Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Emilio Puert Rivera, Emilio Rivera, Fernando Jose Rivera, Fernando Jose Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Carmen Dolores Rivera, Carmen Dolores Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Andres Rivera, Carmen Dolores Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Andres Rivera, Carmen Dolores Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Emilio Puert Rivera, Andres Rivera, A	Rickards, Herbert Betz	Mich.	Rittmann, Dean Vincent	D.
Ricketts. Noble George Ricketts. Robert Lee Rickey, Evelyn Mae Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1047, The George Washington University Ricklis, Henry Riddell. Edward Leo Riddick, William Marion, Jr. Riddle. Evelyn Sue Ridge, Frank Ridgeway, Jesse Edward A.B. 1046, The George Washington University Ridolfi. Placido Francis Ridgath, Robert Vance Ricker, William James Riecken, Richard Charles Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Riktind, Bernard David D.C. Rizzenberg, Madeleine Snowden Rizzenberg, Madeleine Snowden Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Emilio Puert Rivera, Emilio Rivera, Fernando Jose Rivera, Fernando Jose Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Carmen Dolores Rivera, Carmen Dolores Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Andres Rivera, Carmen Dolores Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Andres Rivera, Carmen Dolores Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Emilio Puert Rivera, Andres Rivera, A	Rickers, Ruth Emma	Iowa	Ritts, Roy Ellot, Jr.	
Ricketts. Noble George Ricketts. Robert Lee Rickey, Evelyn Mae Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1047, The George Washington University Ricklis, Henry Riddell. Edward Leo Riddick, William Marion, Jr. Riddle. Evelyn Sue Ridge, Frank Ridgeway, Jesse Edward A.B. 1046, The George Washington University Ridolfi. Placido Francis Ridgath, Robert Vance Ricker, William James Riecken, Richard Charles Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Riktind, Bernard David D.C. Rizzenberg, Madeleine Snowden Rizzenberg, Madeleine Snowden Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Emilio Puert Rivera, Emilio Rivera, Fernando Jose Rivera, Fernando Jose Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Carmen Dolores Rivera, Carmen Dolores Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Andres Rivera, Carmen Dolores Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Andres Rivera, Carmen Dolores Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Emilio Puert Rivera, Andres Rivera, A	Ricketts, Max Verne	Kans.	A.B. 1948, The George Washington	10.
Rickets. Robert Lee Rickey, Evelyn Mae Rickey, Isabelle Mary A.B. 1047, The George Washington University Riddell. Edward Leo Riddell. Edward Leo Riddele, Evelyn Sue Ridgeway, Jesse Edward A.B. 1046, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1046, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1046, The George Washington University Riddle, Placido Francis Ridgeway, Jesse Edward A.B. 1046, Trinity College Rizik, Michel A.B. 1046, Francis Joseph Roamer, James Mahan, Jr. Roane, Arturo Roach, Francis Joseph Roamer, James Mahan, Jr. Roane, Mary Kathleen Robb, David Nelson Ritkind, Bernard David	Ricketts, Noble George		University	М.
A.B. 1946, The George Washington University Ricklis, Henry Ricklis, Henry Riddell, Edward Leo Riddick, William Marion, Jr. Riddel, Evelyn Sue Ridgeway, Jesse Edward A.B. 1946, The George Washington University D.C. Ridgeway, Jesse Edward A.B. 1946, The George Washington University Va. Rivera, Remando Jose Rivera, Carmen Dolores Rivera, Emilio D.C. Rivera, Fernando Jose Rivera, Fernando Jose Rivera, Fernando Jose Rivera, Carmen Dolores Rivera, Emilio D.C. Rivera, Fernando Jose Rivera, Carmen Dolores Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Carmen Dolores Rivera, Carmen Dolores Rivera, Emilio Puert Rivera, Carmen Dolores Rivera, C	Ricketts, Robert Lee	Va.	Ritzenberg, Albert	D.
A.B. 1946, The George Washington University Ricklis, Henry Ricklis, Henry Riddell, Edward Leo Riddick, William Marion, Jr. Riddel, Evelyn Sue Ridgeway, Jesse Edward A.B. 1946, The George Washington University D.C. Ridgeway, Jesse Edward A.B. 1946, The George Washington University Va. Rivera, Remando Jose Rivera, Carmen Dolores Rivera, Emilio D.C. Rivera, Fernando Jose Rivera, Fernando Jose Rivera, Fernando Jose Rivera, Carmen Dolores Rivera, Emilio D.C. Rivera, Fernando Jose Rivera, Carmen Dolores Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Emilio Puert Rivera, Carmen Dolores Rivera, Carmen Dolores Rivera, Emilio Puert Rivera, Carmen Dolores Rivera, C	Rickey, Evelyn Mae	Va.	A.B. 1942, University of Manager	
University Ricklis, Henry Riddell. Edward Leo Riddick, William Marion, Jr. Riddle. Evelyn Sue Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Riddle, Placido Francis Ridgath, Robert Vance Ricker, William James Ricker, William James Riecken, Richard Charles Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Riktind, Bernard David Rivera, Andres Rivera, Carren Dolores Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Carren Dolores Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Carren Dolores Rivera, Andres Rivera, Carren Dolores Rivera, Carren	Rickey, Isabelle Mary	Tex.	D.C. Milege Of the	100
Ricklis, Henry Riddell. Edward Leo Riddick, William Marion, Jr. Riddle. Evelyn Sue Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Ridolfi. Placido Francis Ridpath, Robert Vance Ricker, William James Ricker, Richard Charles Rielly, Thomas Hooper Ries, Carmen Dolores Rivera, Emilio Rivera, Emilio Rivera, Fernand Jose Rivera, Emilio Rivera, Fernand Jose Rizer, Rivera, Carmen Dolores Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Emilio Rivera, Fernand Jose Rivera, Carmen Dolores Rivera, Andres Rivera, Carmen Dolores Rivera, Carmen Dolores Rivera, Andres Rivera, Andres Rivera, Andres Rivera, Carmen Dolores Rivera, Emilio Rivera, Emil	A.B. 1947, The George Washington		University of North Carolina Presto	R!
Riddell. Edward Leo Riddick, William Marion, Jr. Ridge, Frank Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Ridelf, Placido Francis Richer, William James Richer, William James Riecken, Richard Charles Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Ritkind, Bernard David Rivera, Carmon Dolows Rivera, Carmon Rivera, Carmon Dolows Rizer A.B. 1946, All 1946, All 1947 Rich A.B. 1946, All 1947 Rich A.B. 1946, All 1948 Rich A.B. 1946,		DC	Rivers Andres Duelly	P
Riddick, William Marion, Jr. Riddle, Evelyn Sue Ridge, Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Ridolfi. Placido Francis Richert, William James Riecken, Richard Charles Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rietur, Renan Riktind, Bernard David Riddle, Evelyn Sue Rizo, George E. Rizo, George E. Rizo, Inch Hert College Rizik, Michel A.B. 1948, Amherst College Rizik, Michel A.B. 1948, Amherst College Rizik, Michel A.B. 1948, Amherst College Rizo, Ann Concietta Nic. Roach, Francis Joseph Roamer, James Mahan, Jr. Wyo. Roane, Melvin Chester Roark, Mary Kathleen Robb, David Nelson E.S. 1947, University of Chicaso			Rivera, Carmen Dolores Puerto	2
Riddle. Evelyn Sue Ridge. Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Ridolfi. Placido Francis Ridgath, Robert Vance Rieber, William James Riecken, Richard Charles Rielly, Thomas Hooper Rielly, Thomas Hooper Riel, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Ritkind, Bernard David D.C. Rizzo, All 1948, Amherst College Rizik, Michel A.B. 1948, Amherst College R	Riddell, Edward Leo		Rivera, Emilio Poers	3
Ridge-Frank Ridgeway, Jesse Edward A.B. 1946, The George Washington University Ridolfi. Placido Francis Ridpath, Robert Vance Rieber. William James Riecken, Richard Charles Rielly, Thomas Hooper Rie. Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Ritkind, Bernard David D.C. Rixse. John Albert Rixik, Jacqueline Suzanne A.B. 1946, Trinity College Rizik, Michel A.B. 1948, Amherst College Rizik	Diddle Fuelus Sue		Kivera, Pernando Jose	V
A.B. 1946, The George Washington University Ridolfi, Placido Francis Ridpath, Robert Vance Rieber, William James Riecken, Richard Charles Rielly, Thomas Hooper Rie., Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Ritkind, Bernard David RIZIR, Jacquelline Statute A.B. 1948, Amherst College Rizik, Michel A.B. 19	Didas Frank		Rixon, George E.	D.
Ridgath, Robert Vance Richer, William James Ricken, Richard Charles Rielly, Thomas Hooper Rie., Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Ritkind, Bernard David A.B. 1948, Ammerst Rizzo, Ann Concietta N.Y. Roa, Arturo Roach, Francis Joseph Roamer, James Mahan, Jr. Roane, Melvin Chestor Roark, Mary Kathleen Robb, David Nelson B.S. 1948, University of Chicago			Rixee, John Albert	
Ridgath, Robert Vance Richer, William James Ricken, Richard Charles Rielly, Thomas Hooper Rie., Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Ritkind, Bernard David A.B. 1948, Ammerst Rizzo, Ann Concietta N.Y. Roa, Arturo Roach, Francis Joseph Roamer, James Mahan, Jr. Roane, Melvin Chestor Roark, Mary Kathleen Robb, David Nelson B.S. 1948, University of Chicago	A.B. 1946. The George Washington	er	A B 1016 Trinity College	D.
Ridgath, Robert Vance Richer, William James Ricken, Richard Charles Rielly, Thomas Hooper Rie., Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Ritkind, Bernard David A.B. 1948, Ammerst Rizzo, Ann Concietta N.Y. Roa, Arturo Roach, Francis Joseph Roamer, James Mahan, Jr. Roane, Melvin Chestor Roark, Mary Kathleen Robb, David Nelson B.S. 1948, University of Chicago	University		Rizik Michal	22.5
Riceken, Richard Charles Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Ritkind, Bernard David Ricken, Richard Charles Ricken, Richard Charles Ricken, Renan Ritkind, Bernard David Ricken, Ri		D.C.	A.B. 1948, Amherst College	N.
Riceken, Richard Charles Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Ritkind, Bernard David Ricken, Richard Charles Ricken, Richard Charles Ricken, Renan Ritkind, Bernard David Ricken, Ri	Ridpath, Robert Vance	Ind.	Rizzo, Ann Concietta Nica	THE T
Riecken, Richard Charles Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rieur, Renan Ritkind, Bernard David Roach, Francis Joseph Roamer, James Mahan, Jr. Wyo. Roane, Melvin Chester Roark, Mary Kathleen Robb, David Nielson B.S. 1948, University of Chicago	Rieber, William James	N.Y.	Ros, Arturo	p.
Rielly, Thomas Hooper Ries, Carl Gilbert B.S. 1947, University of Wyoming Rieser, Renan Rieser, Renan Rifkind, Bernard David Rieser, Renan Robb, David Nelson B.S. 1948, University of Chicago	Riecken, Richard Charles		Roach Francis Joseph	Obl
B.S. 1947. University of Wyoming Rieur, Renan Rikind, Bernard David NJ. Robb, David Nelson B.S. 1948. University of Chicago Conn. B.S. 1948. University of Chicago	Rielly, Thomas Hooper		Roomer, James Mahan, Jr.	D.
Rieur, Renan Ritkind, Bernard David Robi, David Nelson Conn. B.S. 1947, University of Wyoming Robb, David Nelson Chicago	Ries, Carl Gilbert	Wyo.	Roane, Melvin Chester	D.
Rifkind, Bernard David Conn. B.S. 1948, University of Chicago	B.S. 1947, University of Wyoming	21.1	Roark, Mary Kathleen	1
Killing, Dernard David Conn. B.S. 1948, University			Robb, David Nelson Chicago	DI
RS tost Temple University Dobb George Marion	RS tost Temple University	Conn.	Robb, George Marion	
B.S. 1941, Temple University Robb, George Marion	o.o. 1941, remple University		Kooo, George Marion	

Robb, James Lawrence, Jr.			
	Va.	Robertson, Jean P.	Iowa
	D.C. Mass.	B.S. 1940, University of Iowa Robertson, John Alpheoe Robertson, Joseph William	1044
A.B. 1945. Wellesley College Robbins, Chandler Seymour	NIBSS.	Robertson, John Alpheoe	Calif.
Robbins, Chandler Seymour	Mass.	RS 1047 Agriculous 1 1 25	Tex.
A.B. 1940, Harvard University		B.S. 1947, Agricultural and Mechani College of Texas Robertson, Roger E. B.S., M.S. 1942, Massachusetts Institute of Technology Robertson, Steeling Clark	cal
	Md.	Robertson, Roger E.	3.61
A.B 1948. The George Washington		B.S., M.S. 1942, Massachusetts	Md.
*VOODING Calend Wings 1	3.4	Institute of Technology	
B.S. in Ch.E. 1947. Washington University	Mo	Robertson, Sterling Clark Robertson, Wesley Robertson, Wilbert Joseph	Va.
University		Robertson, Wesley	D.C.
Robbins, Jesse Robbins, Lois M. Robbins, Louis Peters Robbins, Peggy Joan	DC.	Robertson, Zola Blair	D.C
Robbins, Lois M.	DC DC. N.Y DC. D.C.	Robey Joseph Geny	Va.
Robbins Peters	D(Robey, Joseph Gray Robey, Richard Edward	D.C.
Robbins Pou Fdon	DC.	Robicheau, Dorothy Cecilia	
Robbins, Peggy Joan Robbins, Roy Edward Robbins, Walter Lewis	1.1	Kodin, Bennett Allen	Md
Roberson, Elbert Belmont	DC	Robin, Eugene Debs	D.C.
Roberson, Elbert Belmont Roberson, James Edgar Roberson, James Richardson, Jr. Roberson, John Milton Roberson, William Donald Roberson, William Donald	D.C.	B.S. 1946, M.S. 1947. The George Washington University	800 1 600
Roberson, James Richardson, Ir.	Va	Pobin Passers University	
Roberson, John Milton	Va	Robin, Rosemary Jamesina Robinette, Marian Strom	D.C.
Roberton, William Donald	D.C	Robinette, Raleigh Carson	Md.
	NJ.	Robins, James Edward	Md.
A.B. 1941, College of William and		Robins, James Edward Robins, Leonard	Nebr.
LL.B. 1948. The George Washington		Robinson, Alfred Arnold	N.Y.
University Polymers	1	B.S. in M.E. 1912, Agricultural and	24.1.
Roberts, Ben Lomond	Md.	Robinson, Alfred Arnold B.S. in M.E. 1912, Agricultural and Mechanical College of Texas	
Roberts, Beverley Ford A.B. 1948. University of Virginia Roberts, Beverley Jean Roberts, Charles Gilbert, Jr. B.S. 1934. Springfield College Roberts, Charles Monroe Roberts, Donna Louise	Va.	Robinson, Alice Lucile A.B. 1914. Baldwin-Wallace College Robinson Anna Maries	Ohio
Roberts Bass, University of Virginia		Robinson, Anna Marion	
Roberts Charles Cithans ?-	DC	B.S. 1914. Cornell University	N.Y.
B.S. 1014 Springfuld Calland	Md.	Kootnion Retty Lou	
Roberts, Charles Monroe	Tr	Robinson Cora	Md
Roberts, Donna Louise Roberts, Edward Howell	Tex. Va.	A.B. 1948. University of Disselment	D.C.
Koberts Edward Linus It	Okla.		D.C.
Roberts, Everett Earl, Jr.	Conn.	Robinson, Edgar Louis, Jr.	1.7.0
Roberts, Everett Earl, Jr. B.S. 1940, United States Naval Academy		Robinson, Erika Lote Robinson, Eugene Bell	Va
		Robinson, Grace Geneva	Nebr.
Roberts, Henry, Jr. Roberts, Heyward Bradford	NI.	Robinson, Harold	Mo.
Vic. 1924. Ullited States Williams	Md	Robinson Lash William	Colo.
Academy		Robinson, James L., Jr.	Md.
Roberts, James Franklin Roberts, James Winfield, Jr. Roberts, Jennings Nicholas	Md.	Robinson, James L., Jr. Robinson, John Wesley Robinson, Lester James, Jr. Robinson, Lester James, Jr.	Va
Roberts, James Winheld, Jr.	W Va.	Robinson, Lester James, Jr.	D.C.
AB 1020 Morris Hannel	W. I.a.		DO
A.B. 1939, Morris Harvey College LL.B. 1943, LL.M. 1945, George- town University Roberts, John R.		Robinson, Milton Frederic	D.C.
town University 1945. George-		Robinson, Norman Julian	Calif.
Roberts, John R.		Robinson, Parker B., Jr.	Md.
Roberts, John Summerfield, Jr. B.S. 1941, University of Virginia	Ind.	Robinson, Peter Arthur	Maine
B.S. 1941, University of Virginia	DC.	Robinson, Quentin Roosevels	Md.
	Iowa	Robinson, Robert Strother Robinson, Ruth Sweeney	Va.
NUDERTA Lincoln Ridmin	Fla	A.B. 1921. Trinity College	Va.
Roberts, Margaret	DC		
Roberts Mary March	DC. DC. DC.	Robitscher, Jonas Bond To	D.C.
Roberts, Marshall Lee Roberts, Mary Martitia Roberts, Nancy Catherine Roberts, Pauline	DC.	Robitscher, Jonas Road, Jr. A.B. 1943. Brown University J.D. 1948. The George Washington University	D.C.
Roberts Pauline	DC.	J.D. 1948, The George Washing	
Roberts, Perry Leonard	Ind.	University Washington	
Roberts, Perry Leonard B.S. 1938. Oklahoma Agricultural an Mechanical College	Va.	Kobson, Daniel Francis	Do
Mechanical College	Id	Robson, June Elizabeth	D.C.
		Koby, Allan Barkhuese	Va
Roberts, Richard Edwin Roberts, Richard Mansfield LL.B. 1948. The George Washington University	D.C.		D.C.
11. 1948, The George Washington	0.0.	Nock, Herman Henry	Wash.
Roberts Passell B		Books Ind. Washington State College	W 450.
Roberts, Russell Meade Roberts, Thomas Arthur	DC.	Rock, Herman Henry B.S. 1942, Washington State College Rocke, Lucian Loring, Jr. A.B. 1947, Harvard University Rocker, Lillian Shelton B.S. 1944, Georgia Teachers College	Pa.
	D.C.	Rocker Lillian Shale	
	DC	B.S. 1042 Georgia Tout	Gu.
	D.C.	B.S. 1942, Georgia Teachers College Rockowitz, Jerome Remanders College	
Robertson, Jack Rodney	D.C.	Rockowitz, Jerome Bernard Rockwell, Chester Scott	N.Y.
	Idaho	A.B. 1947. Shepherd College	Va.
		- concept	

494	te Ontve	rally Record
Rockwell, Franklin A.	Va.	Rohrer, Carl Peffer_
A B LOAL Shenherd College	Va.	A B. 1011 LL.B.
A.B. 1941, Shepherd College Rockwell, Hilleary Cleveland	Md.	A.B. 1931, LL.B. Washington Uni
B.S. 1944, Fayetteville State Teac	hers	Rohrer, William Jame
College		Washington Uni Roher, William Jame Rohrs, Beverly Ann Rolfe, Cloyd Mayne Roll, Constance Boles Roll, Stephen A.B. 1948, Johns I Rollins, Alma France B.S. 1948, Wilson
Rodas-Garcia, Adela P Rodda, Harry Edwin	uerto-Rico	Rolfe, Cloyd Mayne
Rodda, Harry Edwin	Va.	Roll, Constance Boles
Rodenbeck, Frederick Ludwig	D.C.	Koll, Stephen
A.B. 1940, A.M. 1941, University of Nebraska		Rolling Alma Frances
Rodenki, Donald Lee	D.C.	B.S. 1945, Wilson
Rodenki, Donald Lee Rodgers, Frank Allen	DC.	B.S. 1945. Wilson Rolnick, Robert Fran
Rodgers, George Leo, Jr.	DC.	Kolph John Fletcher
Rodgers, George Leo, Jr. Rodgers, Marjorie Virginia Rodgers, Philip Ray	Pa.	Romano, James A Romanoff, Melvin
Rodgers, Philip Ray	D.C.	Romanott, Melvin
B.S. 1030. M.S. 1940, University		Romansky, George Jo
Ph D 1012 American University		Romer, Abraham Rus
Ph.D. 1947, American University Rodgin, David W.	D.C.	B.S. 1940, College New York
Rodriquez, Berta	DC.	Romero, Theodore Ro
A.B. 1042. Texas College of Mine	19	Romett, Joseph Henry Rommel, Wilfred H.
and Metallurgy		Rommel, Wilfred H.
Rodriquez, Elias Carl	Tex.	Rood, George Henry
A.B. 1941. Southern Methodist		Pool Michael Kitchie
University	. v	A.B. 1010. Univer Roof, Michael Kitchin Rook, Cleo Wayne Rooney, William Albe Roop, William Bahney
LL.B. 1948, Georgetown Universit Rodriquez, Luis Octavio A.B. 1941, The George Washington	uerto Rico	Rooney, William Albe
A.B. 1941. The George Washingto	on	Roop, William Bahney
		Roosevelt, Diana Rooss, Robert Vincent Root, Blake Smith B.S. 1927, Monmo A.M. 1911, Unive
Rodriquez, Juan Jose	Nicaranan	Rooss, Robert Vincent
Rodriquez, Juan Jose Rodwell, Victor William Roe, Jon Olavson Roepke, Duane Henry	D.C. D.C.	Root, Blake Smith
Roe, Jon Olavion	Va.	B.S. 1927, Monmo
Roesch, Carl Joseph	Mich.	Pones Lloyd Richard
A.B. 1948, Denison University		Roper, Lloyd Richard Ropp, Wade Brown
Roessing, Marcia Grier	N.Y.	Rouse, Robert Marcia
Roessler, Alexander Roetzel, William Clark	N.Y. D.C.	Rorman, Harry Eugen Rorrer, Troy Doyle, J. Rosakrans, Ruth Isabe
Roetzel, William Clark	Ark.	Rorrer, Troy Doyle, J.
Rogal, William Walter	Va.	Rosakrans, Ruth Isabe
Rogers, Charlotte David	Ky. Mo.	Rosch, Stanley B.B.A. 1938, Colle New York
Rogers, David Russell	W.Va.	B.B.A. 1938, Cold
Rogers, Edward Baldwin	VV. V a.	Pose Alen Conrad
A.B. 1947, Shepherd College Rogers, Elizabeth Carson A.B. 1947, The George Washingto	N.J.	Rose, Alan Conrad B.S. 1944, Massach Technology Rose, Amil Edward Rose, Carl Leon Rose, Charles Jules A.B. 1942, The Ge University
A.B. 1947. The George Washingto	on	Technology
University		Rose, Amil Edward
University Roners, George Johnston Rogers, Harold John A.B. 1947, University of Scranton Rogers, Hie Clarence Rogers, John Storay Rogers, Mary Trainham Rogers, Rachel Cauldwell Rogers, Reginal Rogers, Roger Joseph	Calif.	Rose, Carl Leon
Rogers, Harold John	MM.	Rose, Charles Jules
A.B. 1947. University of Scranton	N.J.	A.B. 1942, The G
Rogers, Ime Clarence	D.C.	
Popers, John Storay	Va.	Rose, Donald Lewis B.S. in Ch.E. 194
Rosers Rachel Cauldwell	D.C.	Etata College
Rogers, Reinal	Wis	Rose, Gareth Westbron A.B. 1944, Univer Rose, Handres
Rogers, Rejinal Rogers, Roger Joseph Rogers, Sidney Rogers, Thomas Alphonso Rogers, William Gene Rogers, William Michael Rogers, William Michael Rogers, William Miton Rogg, Nathaniel Hyman A.B. 1934, A.M. 1935, New Yor University	D.C.	A.B. 1944, Univer
Rogers, Sidney	DC	Rose, Handres
Rogers, Thomas Alphonso	Md	PLONE, FIST DETT EMIRIE
Rogers, William Gene	Iowa 別利。	Rose, Jeanne A.B. 1033, College
Rogers, William Michael	Va.	A.B. 1911, College
Rogers, William Milton	DC.	Rose, Ruth Butterwork
AR 1014 AM 1016 New Yor	k	Rose, William George,
University		Doseborry Mary Grown
Rogosky, Pauline Anne	Pa.	B.S. 1942, Madison Roseborough, William B.S. 1940, United
Rogosky, Pauline Anne Rogstad, Nora Martha	Tex.	Roseborough, William
B.B.S. 1926, University of Texas Rohland, Leo		B.S. 1940, United
Rohland, Leo	N.Y.	
Rohlf, Paul Anthony	Pa.	M.S. 1945, Massac
Rohman, Hobart H	D.C.	M.S. 1045, Massac of Technology Roseman, Byron David
Rohman, W. Carolyn	Va.	Poses David Salis
Rohrbaugh, Phyllis Josephine A.B. 1947, The George Washingto	Pa.	Rosen, David Selig Rosen, Herbert Harry
University	US .	Rosen, Sam
University		1400ts, 5000

rl Peffer 31, LL.B. 1933, The George ngton University Iliam James D.C. Md. Va. N.Y. N.Y. erly Ann d Mayne ance Boles en 18, Johns Hopkins University ma Frances 15, Wilson Teachers College obert Franklin n Fletcher D.C. Md. Va. mes A Melvin Conn. Pa. N.Y. George Joseph aham Russell o, College of the City of rock eodore Robert eph Henry ge Henry 10. University of Florida ael Kitching Wayne illiam Albert iam Bahney Diana ert Vincent Smith 7. Monmouth College 11. University of Illinois d Richard Brown ert Marciano arry Eugene y Doyle, Jr Ruth Isabelle 1038. College of the City of Corrad 4. Massachusetts Institute of bloev Edward Edward
Leon
es Jules
12, The George Washington
rity
Id Lewis
Ch.E., 1947, Pennsylvania
College
th Westbook
Liniversity of Toronto P8. N.Y. 4. University of Toronto res ert Edgar 3. College of William and Mis Butterworth am George, Jr.
Mary Gregory
2, Madison College
h, William Daniel
D, United States Naval 12 Tes. 5. Massachusetts Institute M288 hnology yron David

Va.

Rosen, Zelda			
Rosenberg, Barbara Claire Rosenberg, Hyman Louis	D.C. D.C. D.C. D.C. N.Y.	Rossi, Henry	R.I.
Rosenberg, Hyman Louis	DC.	Rossi, Marian Elizabeth	DC.
Rosenberg, Morris	D.C.		Na.
	DC.	Rosson, Barbara Ruth Rotella, Mary Rosalee A.B. 1945, Meredith College	D.C.
Rosenberg, Seymour Morton	N.Y.	Rotella, Mary Rosalee	N.C.
of New Y. College of the City		A.B. 1945, Meredith College	
B.E. 1944. College of the City of New York Rosenberg, Walter Saul Rosenberg, William Theodore Rosenberger, Mary Jane		Kothberg, Samuel B	Va.
Rosenberg William 72	D.C.	Rothenberg, Morris	N.Y.
Rosenberger B. William I heodore	Ohio	A.B. 1941, Cornell University	
Remarks	Va.	A.B. 1941, Cornell University Rothreb, John Martin	Va.
Rosenblase Ist Wiyer	1	Rothman, Leonard Julian Rothman, Sam	N.Y.
Rosenblum Davidacob	D.C. D.C. D.C.	Rothman, Sam	1.1.
Rosenblum Cavid Joseph	DC.	B.S. 1943, Long Island University	
Rosendard Para D	D.C.	B.S. 1943, Long Island University Rothstein, Nathannel	7. 3.
Rosendorf Sandy R	D.C.	Rotkin, Irving Jacob	N.Y.
Rosenblatt, John Jacob Rosenblum, David Joseph Rosenblum, Stephen Clyde Rosendorf, Betty R. Rosendorf, Stanley Bernard B.S. 1948. University of Marsdand	Md.	B.S. in M.E. 1946, Virginia Poly-	
B.S. 1948, University of Maryland Rosenson, Vivian Carmel Rosenthal, Alan Henry Rosenthal Albart Herman	50	Rotkin, Irving Jacob B.S. in M.E. 1946, Virginia Poly- technic Institute	
Rosenthal Alan Manuel	D.C.	Kotman, Maria Elisabeth	DC.
Rosenthal, Albert Herman Rosenthal, Bernard Rosenthal, Donald Currie Rosenthal, Flais Law	D.C. N.Y. D.C. N.Y. D.C.	Rotnem, Eugene Orbeck	Wis.
Rosenthal Bernard	N.Y.	A.B. 1947, University of Hawaii Rotnem, Iris Mittelstadt	
Rosenthal Donald County	D.C.	Rotnem, Iris Mittelstadt	Wis.
Rosenthal, Elsie Jean Rosenthal, George Rosenthal, Harold	N.Y.	Kottenberg, Jacob Bear	RI
Rosenthal George	D.C.	A.B. 1942, The George Washington	
Rosenthal Harold	DC.	University	
Rosenthal, Joseph A.B. 1939. Brooklyn College A.M. 1940, Columbia University Rosenthal, Melvin Stanley	MIG.	Rottenberg, Seymour Abner Rotz, Carl Fredrick Roubideaux, Ramon Arthur Roudabush, Robert Mackey Roughton, Aurelian Ernest, Jr. Rouleau, James Petris Patrick	DC. DC SD. DC.
A.B. 1030 Brooklen Callens	N.Y.	Rotz, Carl Fredrick	DC
A.M. 1940 Columbia University		Roubideaux, Ramon Arthur	SD.
Rosenthal, Melvin Stanley	5.0	Roudabush, Robert Mackey	DC.
Rosenthal, Myra Natalie Rosenthal, Sidney	D.C.	Roughton, Aurelian Ernest, Jr.	Va. D.C. D.C.
Rosenthal, Sidney	DC.	Rouleau, James Petrie Rouleau, Wilfrid Glasgow	D.C.
Rosett, Richard Nathaniel	D.C.	Routeau, willing Glasgow	DC.
Rosewag, Nicholas Raymond In	N.J.	A.B. 1042, Catholic University of	
Rosewag, Nicholas Raymond, Jr. Rosin, Marlowe Richard Rosinski, Donald Carl	D.C. D.C. N.J. Md. D.C. D.C.	America	
Rosinski, Donald Carl	DC.	Roumel, Theodore Constantine	DC.
Rosner, Oscar Herman	D.C.	A.B. 1944. The George Washington	
Rosoff, Frieda	Mid	University	
Done Dat	D.C.	Koundtree, William Howard	F11.
Ross, C. Hildegarde B.S. 1933, State Teachers College, Farmville, Va. Ross, Daniel Michael	D.C.	Oniversity Roundtree, William Howard Rourke, Francis John Rousar. Edward Everett Rousseau, Louis Chapman Royner, Louise Miriam	F11.
BS 1933, State Teachers College	Va.	Kousar, Edward Everett	Okla.
Farmville, Va.		Kousseau, Louis Chapman	1)(
Ross, Daniel Michael	Tona	Rovner, Louise Miriam	DC.
A.B. 1946, The George Washington University Ross, Florence Flains	Tenn.	B.S. 1934. New Jersey College for	
University		N Onen	
Ross, Florence Elaine	Pa.	Rovner, Philip A.B. 1948. The George Washington University	DC.
Ross, Gerald Ross, Guy Eliot Ross, Harry, Jr. Ross, Helen Elizabeth B.S. 1948, The George Washington University	N.Y.	A.D. 1948. The George Washington	
Ross, Guy Eliot	Ohio	University	
Ross, Harry, Jr.	Md.	Rowan, Eugene Francis	Pi
Ross, Helen Elizabeth	D.C.	Rowan, Eugene Francis	N. Y.
B.S. 1948, The George Washington	D.C.	D.O. 1945. University of Viveinia	
		Nowall, Delen Latherine	Calif.
Ross, Ian Kenneth	DC	A.B. 1948, Mills College	Carri.
Ross, Irving Jerome	D.C. N.Y.	Rowan, John Carve	Pa.
A.B. 1948, Brooklyn College		Rowan, Peter Peer	30.
NOSS, IEMES FISTOID	D.C.	Rowand, Roger Benjamin	1'a.
Ross, Joseph Hunter Ross, Leo H.	Md.	Kowe, Frank Joseph	Conn
Ross, Leo H.	N. N.	Rowe, George Frederick	NI.
PUBL. WISEVIN Stanton	N.Y. D.C.	Kowe, Joan	M3.
Ross, Mary Flivshook	Md.	B.S. 1944. University of Maryland	DC.
Notal McKenzie	Nia.	Rowe, Kathleen Wilson	
KOSS, Kuth	D.C.	Rome Shirley Cond	DC
A.B 1046 The Co., 197 14	N.J.	Rowe, Shirley Case Rowe, Willis Case	DC.
		Damell 7	D.C
Notes, Samuel R	00	Rowell, Leroy Arthur Rowell, Russell	Maine
A.B. 1021 Pice Hairman	D.C.	Rowell, Kussell	Va.
		Nowen, James Koss	Ind.
University University		NOWITZ, Dermard	
Roses, William Hicks Roses, Jack Leopold	200	A.B. 1948, Rutgers University	N.J.
Rossen, Jack Leopold	D.C.	Rowlling, Doris Kuth	34
Rosser, Elizabeth Burnley	_Va.	Rowlett, Francis	Va.
Rosser, Fave Quick	DC.	A.B. 1935, University of Man	Utah
B.S. in Ed. 1000 Median	DC.	A.B. 1935, University of Utah Rowley, Basil George	
Rosser, Edizabeth Burnley Rosser, Faye Quick B.S. in Ed. 1939, Madison College Rosser, William Joseph		NUW IE. IN STING I OWIGE	Va.
Уочера	Va.	Rowsee, Charles Alfred	Va.
		and willed	DC.

Vs. D.C.

NC.

D DDVOCALD MYCVAM MPREPA CROCK VACALPRICAPATION N.Y.Y.

Roxon, Daniel	N.Y.	Ruiz, Leobardo Carlos
A.B. 1940, Brooklyn College Roy, Miriam Ellen Roy, Wallace Edward		Ruiz, Madelene G.
Roy, Miriam Ellen	W.Va.	Rulien, Frank Raymond
Roy, Wallace Edward	D.C.	Rullman Anne Harris
Royce, Margaret Esther	D.C.	Rumbough, William Samuel B.S. in E.E. 1927, A.M. in Ed. 1 The George Washington Univers
Roylance, Donald Carvar	Md.	B.S. in E.E. 1927, A.M. in Ed. 1
Rozansky, Beverly Ruth	D.C.	The George Washington Univers
Rozo, Jorge Gomez	D.C.	Rumley, Lucy Johnston Runkle, Denton William
Rozzelle, Frederick Russell	Va.	Runkle, Denton William
Ruark, Eugene Henry	31.1	Runnion, Barbara Diane
Ruark, James Clay	DC.	Runyan, Robert Laymon
Duben Annette	D.C. W.Va.	B.S. 1910, College of Wooster
Ruben, Carl Irwin Ruben, Louis Leonard	W.Va.	Ruof, George Christian
Puben Louis Leonard	Md.	Rupert, Mary Martha
	W.Va.	Ruscher, Harold, Jr.
Dubanasia Sanford	NY	Rush Joseph Edward
Rubenstein, Sanford Rubenstein, Thelma Etienne Rubenstein, Vida Ellen	Md. W.Va. N.Y. D.C.	Rush, Joseph Edward B.S.E. 1937. Fitchburg State Teachers College, Mo.
Dubonstein, therma Esternic	DC	Teachers College, Mo.
Kubenstein, Aida Enten	Ga.	Rushing Betty Io
Rubin, Ann Rubin, Arnold Donald	NI	Rushing, Betty Jo Rushing, David Edward
Rubin, Arnold Donald	D.C.	B.S. 1935. M.S. 1938, University
Rubin, Joel	D.C.	Alabama
B.S. 1943, College of the City of New York		Russ Robert Barrett
New Lork	Md.	Russ, Robert Barrett A.B. 1940, University of North
Rubin, Marvin	1.1	Carolina
Rubin, Sally Maxine	D.C.	Russell Anne Carter
Rubin, Samuel Benjamin	Pa.	Russell, Anne Carter Russell, Betty Lucile Russell, Denver Lee
Rubin, Sherwin	Md.	Russell Denver Lee
Rubini, Fausto Frank	2000.	A.R. 1047 Mount Union College
B.S. 1015. University of Wisconsin	DC.	A.B. 1947, Mount Union College Russell, Harry Earle, Jr. A.B. 1947. University of Michigan Russell, Helen Louise
Rubinstein, brens	Md.	AR 1042 University of Michigan
Rubinstein, Irvin	D.C.	Pussell Helen Louise
Rubinstein, Nathan	T) C	Russell, James Miller
Rubinstein, Norman Dartiey	D.C. D.C. D.C.	Pussell John Blair
Ruble, Anne Wagnick	Mr. C.	Russell, John Blair Russell, Joseph Grayson, Jr. Russell, Kenneth Monroe
Ruboy, Jordan Sumner Ruch, Delbert DeVillo	Mass.	Pussell Kanneth Monroe
Ruch, Delbert DeVillo	Calif. W Va.	Daniel Malain Lawis
Puckel Net Florence	W 12.	Russell, Melvin Lewis Russell, Myrtle Ellen
Rucker, Martha Cosby	Va.	A.B. 1944, The George Washington
A.B. 1010, University of Michigan	241	A.D. 1944, The George Washing
Puerko Ioseph Anthony	Md.	University
Rudd Velva Plaine	DC.	Russell, Ray
B.S. 1931, North Dakota Agricultural		Russell, Ronald Lee
College		Russell, Stanton Best
Ruddell, George Randolph	Md.	Russell, Stanton Best Russell, William Augustine, Jr. Russell, William David A.B., LL.B. 1938, University of Missouri
Ruddock Harold Douglas	Calif.	Russell, William David
Ruddy, Alice Marie	DC.	A.B., LL.B. 1938, University of
B.S. 1940, Marywood College		Missouri
Ruddy Ann Clare	D.C.	Russell, William Fred Russell, Yvonne Louise
B.S. 1016, Marywood College		Russell, Yvonne Louise
Rurles Christina	N.J. D.C.	Russo, Mary Orton
Rudewick, William Kenneth B.S. in Ed. 1948, State Teachers College, Millersville, Pa.	D.C.	Russo, Mary Orton Ruszkiewicz, Joseph Edward B.S. 1948, University of Pittsburgh
BS in Ed 1048, State Teachers		B.S. 1948, University of Pitter
College, Millersville, Pa.		B.S. 1048, University of Pittsburgs Ruth, Celia M. Ruth, Joseph Young
Dudies Devid	N.Y.	Ruth, Joseph Young
Rudolph, Ella Jackson B.S. 1941, Madison College Rudy, Lester Eugene Rue, Audrey Hazel	Va.	Kutiand, Derbert Kolli, J.
RS 1042 Madison College		Rutledge, Jean Ann A.B. 1947. Indiana University
Budy Lester Eurepe	D.C.	A.B. 1947. Indiana University
Rue Audrey Hazel	DC.	Rutledge, John
Rushel Rainh Alexander	DC. DC. NY.	Rutledge, John Rutz, Edward Arthur Ryals, Carthy Ronway, Jr.
Duesch Alida Edith	N. A.	Ryals, Carthy Ronway, Jr.
Puese Dorothy Ann	Calif.	
D. S Bruson I aMar	Pa.	KYAN I PRINTS LESTY
D. F Dabest Paymond		Ryan, Edward Francis
Ruebel, Ralph Alexander Ruesch, Alida Edith Ruess, Dorothy Ann Ruff, Bryson LaMar Ruff, Robert Raymond Ruffner, Ralph Windsor A.B. 1935, University of Maryland A.M. 1940, The George Washington University	D.C.	Ryan, Edward Joseph
AR Loss Hairereity of Maryland		Ryan, Edward Joseph Ryan, Edward Thomas, Jr.
A.M. soan The George Weshington		Ryan, Jack Thomas
Liniversity		Ryan, James Anthony
Busen Bachasa Dorach	N.Y.	Ryan, James Anthony B.S. 1940, College of the Holy Cre LL B. 1947, Cornell University
		LL.B. 1947. Cornell University
A.B. 1942, College of Wooster Rugen, Paul Robert	N.Y.	D I-man Israph
D.C. in Ed sone Durant Hairweiter		Pres loss Lorey
B.S. in Ed. 1949, Rutgers University Ruiz, Amelia Mary	N.Y.	Ryan, Joan Lorey A.B. 1048, The George Washington
Ruiz, Elizabeth	D.C.	University
Nuiz, Elizabeth	D.C.	Ollitary

Dans V. L. Sun			
Ryan, John Clifford	D.C.	Sagner, Charles Edward, Jr.	DC.
A.B. 1947. Iowa State College of		A.B. 1947, University of California Sailer, Jessie Bradbury	20.
Rwan John Mechanic Arts		Sailer, Jessie Bradbury	Va.
Ryan John There	Md.	A.B. 1939, A.M. 1940, University of	{
A.B 1048 West W.	,Va.	Kansas	
Ryan, John Wynna University		St. Clair, John Gilbert St. John, Charles Richard	Va
Ryan, John Wynne A.B. 1942, Dartmouth College Ryan, Mary Dolores A.B. 1942, The Corner Western	V.Y.	St. John, Charles Richard	Ohio
Ryan, Mary Dolones College	Secretary 1	St. John, Jack Visscher St. Louis, Mary Maurice	Md
A.B. 1947, The George Washington University Ryan, Rita Maria	MAS.	St. Louis, Mary Maurice	D.C. N.C.
University George Washington		Saintsing, Richard Lyle	N.C.
Ryan, Rita Marie	N.Y.	St. Thomas, Dorothy Laird	Ala
	D.	Saito, Sachio	D.C. D.C.
Ryan, Robert Emmet	Pa.	Saiz, Antonio	D.C
B.S. 1947. Temple University	DC.	Sakai, Akira Sakai, Hiroshi	D.C.
Ryan, Robert Edwin Ryan, Robert Emmet B.S. 1947, Temple University Ryan, William Edward B.S. in E.E. 1941, B.S. in Mark	lass.	Sakai, mirosai	Hawaii
B.S. in E.E. 1941 BS in Mach	1233.		DC
B.S. in E.E. 1943, B.S. in Math. 1943, University of Michigan Ryder, Elizabeth Margery Ryder, James Andrew		Sakotsky, Harry Salowas Adele Bernadette	Pa.
Ryder, Elizabeth Margory	0.0	Salowas Agele Defnadette	Pa
Ryder, James Andrew Ryder, Robert Burton Rydholm William N	DC. VY.	Salah, Hisabeth Salah, Helen	umania
Ryder, Robert Burton	onn.	Salabara Don-14	Pa.
Rydholm, William Norman	lass.	Salsbury, Donald Salsovitz, Harvey	1'a
	Va.	A B 1947. University of Pittsburgh	Pa.
A.B. 1944. Mary Washington College Rykhus, Douglas Joseph	7 01.	Salladay, David Engene	-
Rykhus, Douglas Joseph Rymer, Thomas Arrington B.C.E. 1948, Cornell University	S.D.	Sallas, Gustav Adolph	DC
Nymer, I homas Arrington	DC.	Salmon, Albert James	DC
D.C.E. 1948, Cornell University		Salmon, Raipi, Franklin	DC
		Salomon, Barbara Irene	Pa.
		AB 1 seb L'inversity of Chi-	DC.
Saalfaarb Ing Co. L.		AB 1246, University of Chicago Salver, Elliot Arnold	-
Saalfrank, Joy Catherine A.B. 1948, The George Washington University	D.C.	BS in M.E. 1946, Brown University	RI.
The George Washington		Saltry Edwin Arthur	
Saaty Thomas Losis		Saltry, Edwin Arthur A.B. 1949 Long Island University	N.Y.
A.B. 1042 Waster M.	Md.	Sautrer, tay blaine	n
Saha Michael Western Maryland College		B.S. in Ed. 1917 State Teachers	Pa
University Seaty. Thomas Lorie A.B. 1047. Western Maryland College Saba, Michael Saba, Olaizola	Pa.	B.S. in Ed. 1937, State Teachers College, Bloomsburg, Pa.	
Sabatini Edmund John	C. C. C. C. C.		5.0
Sabatini, Edmund John Sabella, Muriel Marceline Sabine, Edward Bliss	Y.	Salvatierra, Lorenzo Gascon Salvaterra, Lorenzo Gascon Salvaterra, Lorraine Muriel Salzberg, Ruth Salzman, Max Herbert Samaha, Leslie Halim Samakow, Revede Boch	D.C
Sabine, Edward Bliss) C.	Salzberg, Calvin David	D.C. N.Y
Sabot, Allen Sabula, Paul Stephen Sabula, Paul Stephen Saccardi, Clarence Richard Sacharnoaki, Stephen T) C.	Salaberg, Lorraine Muriel	14.3
Sabula, Paul Stephen	Y.	Salzberg, Ruth	N.Y.
Saccardi, Clarence Dishard		Salzman, Max Herbert	D.C
Sacharnoski, Stephen	C.	Samaha, Leslie Halim	N.Y
Sacharoff Victor	V. 1		Va
Dackett, Albert Monroe	· 1.	Dames Mary Ann	D.C
Sackman, Robert	S WO	A.B. 1947. University of Missouri Samonski, Helen	Mo
Sacko, Walter Francis	Y.	Samonski, lielen	3.0
Jacks, Jacob Milton	Pa		Mass.
Sacks Laston Last'	P.C.	B M F. 1948, College of the Cien of	N.Y.
Sacks, Saul	Y. Y.	B M F. 1948. College of the City of	
Sadler, Emmett Garner	Y	Samples, Ramona	2.
Midowaki I amas 17.1.	C.	S n reon. Couriner House	Va.
Sadowskie Constant M	nh.		Mass.
B.M.E. 1947 College Col	.Y.	Samuel Virginia Marian	Okla
New York		Sam lets, Joseph Paul	Wis.
Sadur, Hillard Erwin		D S 1946, University of 317.	W.Va
Sadur, Marvin Phillip	Md.	9 116(10.12	
A B total The C) C.	Samuelson, Frederick Classes	
A.B. 1947. The George Washington		Jam .elson kenneti Dobass	III.
Saenz, Julian Hindjosa		Sauborn, Henry Norris	111.
Saffelle, Meta G.	C.	3350 1.07 30 40 10	Md.
Saffitz, Abraham Alan		Sanchez, Ben P. Co	lombia
A B 1006 C N	.Y.	Sancher Burdese D.	N.M.
A.B. 1936, Cornell University Safford, Lawrence Frye		Sanchez, Burdette Boardman	Pa.
	.C.	Sanchez, Henry G. B.S. 1930, United States Naval	N.Y.
B.S. 1932. United States Naval		Academy Naval	
		Sandeen Charles Ba	
Sagendorf, Jack Bertolette	Va.	Sandeen, Charles Edward	Va.
Sager, John Harmer	C.	Sander, Dora	Md.
Saginor, Irving		A B. 1942, Radcliffe College	1010.
	Y		lolland
A A A A A A A A A A A A A A A A A A A		Sanders, Donald Earl	Va.
		Sanders, Frank Powell	NC.

			p.C.
Sanders, John Albert	Pa.	Saunders, Nancy Nell	Va.
A.B. 1948, The George Washington		Saunders, Patricia Anne	D.C.
University	200	Saunders, Pauline Elizabeth	-
Sanders, Lee Steele	D.C. Ind.	Sandara Pages I and	DC
Sanders, Lowell Lawrence	Ing.	B.S. in Ed. 1939, University of Ohio Saunders, Roger Lane Saunders, Ruth Anne	Va.
B.S. 1940, Indiana University Sanders, Philip	N.Y.	Saunders, Sidney	NY
Sanders, Ralph Byron	Md.	Saunders, Sidney Saunders, Sidney Saunders, Stephen Irvin, Jr. Sauveur. Anita Belle Savage, Carl Preston, Jr. A.B. 1948, University of Georgia	Va.
Sanders, William Gerard	D.C.	Sauveur, Anita Belle	Ga.
Sanderson, Agnes Isabel	D.C.	Savage, Carl Preston, Jr.	
Sanderson, Sue Elizabeth Sandiford, George William	Va.	A.B. 1948, University of Georgia	Tens.
Sandiford, George William	Pa. D.C.	Savage, Howard Lane, Jr A.B. 1948, Vanderbilt University	- ~
Sandmeyer, Melvin Wesley, Jr.	D.C.	Cavage Inlian	D.C
Sandoz, George B.S. 1943, Wayne University M.S. 1945, University of Michigan	D.C.	Savage, Julian Savage, Nancy Lee	DC
MS 1945, University of Michigan		Savage Robert Frank	De
Sanda, Arthur Gorton	D.C	A.B. 1043, Whitworth College Savage, Walter Benedict	NJ
Sands, Courtland William	D.C.	Savage, Walter Benedict	Calif
Sands, Lillie I. Petersen	Nebr.	Savage, William Alvin	-
Sandt, Anna Becker	Pa.	A.B. 1939. Stanford University	D.C
A.B. 1947, The George Washington		Savarese, Charles Joseph, Jr. A.B. 1941, University of North	
University Isne	D.C.	Carolina	DC
Sandwick, Marilyn Jane Sandy, William Haskell	Md.	Savary, George Alexander	Di
	Va.	Saver, Alan David	S.C
B.S. 1945, State Teachers College, Farmville, Va.		Saverance, Carolyn McNair	
Farmville, Va.	20	A.B. 1940, Winthrop College Saville, John William	Md
Sanford, Marion Elizabeth Sanger, Raymond Frederick	D.C. Va.	Saville, John William	DC
Sanger, Raymond Prederick	Md.	Savitt, Jacob	
Sangster, Harold Lee B.S. in E.E. 1939, The George	Same.	B.S. 1948, Carnegie Institute of Technology	1/1
Washington University		Sawyer, John William	NY
	D.C.	Sawyer, John William Sayers, William Walter	1,10
Sanner, Donald F. Sansoucy, Robert Louis Sansum, Lauane Earl	Maine		
Sansum, Lauane Earl	Calif.	H.S. 1010. University of Illinois	200
A.B. 1947, University of California	Di	Saylor, James Burton	D. A.
A.B. 1947. University of California Santana, Pablo J. Puer Santoro, Vincent H.	to Rico	Saylor, James Willis	Pa DC NY Va
Saperstein, Jean Marjorie	D.C.	Scaffidi, Alfred Scalise, Frances Mary	1,5
A B 1046 University of Richmond	2101	Scanlan, Sidney Joseph	Mil
A.B. 1946, University of Richmond Sappenfield, Keith Mynes Sarakanych, Helen	Ind.	Scanlan, Sidney Joseph Scanlan, Thomas Russel	340
Sarakanych, Helen	Pa.	Scanlon, Mary Patricia	Miss
Sarasin, Pong S.	Md.	Scarborough, James K.	. A.T
Sarasin, Pong S. Sargent, Faith Sargent, Lucius Lyman Sarich, John Thomas	N.H.	Scariot, Angelo John	
Sargent, Lucius Lyman	D.C. Oreg	A.B. 1948, The George Washington	Va.
Sarica, John 1 nomas	D.C.	University Scarrow, William Arthur	Miss.
Sariego, Audie Sarla, Charles Richard	Va.	School Maria	
Sarosi Oliver		Schaap, Marie A.B. 1939, Calvin College	N)
B.C.S. 1928, University of New Yorl	E	Schach, Saul	
Sarosi, Oliver B.C.S. 1928, University of New York Ph.D. 1936, Royal Hungarian		Schachtel, Norman Herman	ALE
University		Schade, Ruth Elizabeth	D.C.
Sartor, John Douglas, Jr. Saska, Stanley Derby Sass, Tauba H.	S.C. D.C.	Schaefer, Vivian Rochester	DE
Sasta, Stanley Derby	Pa.	Schaefer, William John	NIL
A.B. 1944, M.A. 1947, University of		Schaeffer, Jean Lupton Schafer, Frederick	Marie
Pennsylvania		Schafer, Frederick	
Sather, Roy Occar	Mich.	B.S. in C.E. 1925, The George Washington University	
Sather, Roy Oscar B.S. in E.E. 1940, Wayne University	·	LL.B. 1928, Georgetown University Schaffer, University Schaffer, University	V4
Sato, Edward Hillumi	9 8 W TH ST	Schaffer William Thomas	Kans
Satterfield, George Whitney, Jr.	D.C.	Schaffert, Justin Clark	N.Y.
Sauber, Frank Sauer, Elizabeth Saul, Norma Helen	iii.		
Saul Norma Helen	D.C.	B.S. 1943, College of the City of New York	D.C.
Sauls, John Clinton	Ga.	New York	DC.
Saunders, Charles Turney	D.C. N.Y.	Schankel, Norman George, Jr.	D.C. D.C. N.Y
Saunders, Edward Earl	N.Y.	Schantz, Wilmer Shelly	
B.S. 1917, Alfred University		Schappert, Joseph Matthew A.B. 1948, Queens College	NY.
B.S. 1917, Alfred University B.S. in E.E. 1920, Massachusetts Institute of Technology		Schatz, Bernard	Pa
	Va.	Schatz, Elizabeth Jayne	D.C.
Saunders, George Everett Saunders, Mariellen	D.C.	Schatz, Louis	D.
Saunders, Marie Caroline	D.C.	Schatzman, Joan Harolyn	
Charles of Leaning Parisman			

Schatzow, Arthur			
BS MARKET TO THE STATE OF THE S	D.C.	Schmidt, Donald Gerry	Mont.
B.S. 1941, University of New York Scheckel, William Howard Schecker, Roger M.		B.S. 1942, University of Washington Schmidt, Frederick Jost	8
Schecter Roger M.	Md.	Schmidt, Frederick Jost	D.C.
A B. 1947, Dickinson College Scheerer, Carl Russell Scheetz, Carlton Frenk	Pa.	Schmidt, Julius Henry, Jr. Schmidt, Richard Frederick Schmidt, William Edward	Calif.
Scheener Carl D. House	2.5	Schmidt, Richard Frederick	D.C.
Scheetz, Carlton Frank	Va.	Schmidt, William Edward	Md.
Scheffree E.	Calif.	B.S. 1941. The George Washington	
	D.C. D.C. D.C.	University	
Scheinine, Dean	D.C.	Schmidt, William Francis Schmier, Hilda Frieda	N.Y.
Schell, Emil D. Schellsek Control	D.C.	Schmier, Hilda Frieda	Md.
Schell, Emil D	DC.	Schmit, Gaylord John	D.C.
Schellack, Catherine Allen	D.C.	Schmit, George Christopher Schmit, Page Marston	Nebr.
Schellenberg, Paul Herbert Schellhorn, Adrienne Barry Schellnes, Ole Christmes	Va.	Schmit, Page Marston	Md.
Schellhorn, Adrienne Barra	Va.	Schmitt, Samuel Arthur	III.
Schelsnes, Ole Christen	Md.	B.S. 1947, University of Chicago Schmoyer, Mary Elizabeth	
B.E.E. 1940. Central Seasa Tanahan	Wis.	Schmoyer, Mary Elizabeth	Va.
B.E.E. 1940. Central State Teachers College, Wis.		Schnapp, Carl Bernard	N.Y. D.C.
College, Wis, Scheltema, Johannes Lorenzo Scheltema, Rudolf Siegfried Schenck, Florence Alice Schenck, Frank Whitson Schenck, Joseph Samuel Schenk, Barbara Scherer, Solomon	Md.	Schneiberg, Rosalyn	D.C.
Scheltema, Rudolf Signification		A.B. 1949. The George Washington	
Schenck, Florence Alice	Md.	University	
Schenck, Frank Whitson	Va.	Schneider, Betty Louise	D.C.
Schenck, Joseph Samuel	N.C.	Schneider, David Taylor	Mass.
Schenk, Barbara	Mo.	A.B. 1947, Yale University	-
Scherer, Solomon	N.Y.	Schneider, David Taylor A.B. 1947, Yale University Schneider, Dorothy Elizabeth	La.
A.B. 1949. The George Washington	44.8.	Schneiger, Ella Kathryn	Colo.
University Washington		B.S. 1941, Colorado Woman's College	
Scherff, Roger Alan	D.C.	Schneider, Herbert Henry	N.Y.
Scherini, Otto Axel	Calif.	A.B. 1947, New York University A.M. 1948, The George Washington	
B.S. 1932. United States Naval	Cairr.	A.M. 1948, The George Washington	a.
		University	
Schermerhorn, Floy Mann	D.C.	Schneider, Homer James	Va.
Schermerhorn, Lloyd Andrew	D.C.	B.S. 1942, University of Wisconsin	
A M 1931, University of Rochester		Schneider, James Philip	D.C.
Schick Issis L. Clark University		Schneider, James Philip Schneider, Louis	D.C. N.Y.
A.B. 1931, University of Rochester A.M. 1937, Clark University Schick, Irvin Henry Schick, Rene Alberto	Pa.	SCHOOL WAITER LIGHT	N.J.
Schiffman Harald	D.C.	B.S. 1943. Virginia Polytechnic	
Schiffman, Harold Schifter, William	Mass.	Institute	
	N. V	Schneiderman, Jeremiah	N.Y. D.C.
Schiller, David Mulford	Va.	Schneiders, Joseph Matthew Schnell, William Cardigan	D.C.
B.S. in E.E. 1048 Commit &	Pa.	Schnellbacher, Emil Elmo	Pa.
Schiller, Alvin Schiller, David Mulford B.S. in E.E. 1948, Carnegie Instituta of Technology Schillins, Daniel Joseph Schimmel, Ruth Sonia B.S. 1947, University of Pick		Schnider, Martin Livingston	D.C
Schilling, Daniel Joseph	5 0		Md.
Schimmel, Ruth Sonia	DC.	Schnitman Edward Paren	amaica
B.S. 1947. University of Richmond Schindler, Paul Schindler, Paul	Md.	Schnitman, Edward Perry A.B. 1938. The George Washington	Md.
Schindler, Paul	DC	University A.M. 1948, Yale University Schnopp, Maude Hite Schocket, Charles Lewin	
	D.C.	A.M. 1048. Yale University	
Schingler, William Physics	Md. Wis.	Schnopp, Maude Hite	Md.
SUBSOIDICK, Herman	D.C.	Schocket, Charles Lewis Schoem, David	
SCRIBITATION Dark-11	Va.	Schoem, David	NI
SChleener Gerald Conner	III.	SUITURED. A SCHAPPER I DANNER	N.J
Schlemeier, Nancy Early Schlemeier, Todd Edward		Schoen, Robert Joseph	Va.
Schlemeier, Todd Edward	D C Mo.		D.C.
	DC	A.B. 1943. Harvard University A.M. 1947. University of Maryland Schoeneman, Robert Lee B.S. 1947. The George Washington University	D.C.
OCHIESINE POP Innie!	Va.	A.M. 1947. University of Maryland	
Schlesinger, Jean	D.C.	Schoeneman, Robert Lee	D.C
OCCUPATION TO A TANK TO A	N.C.	B.S. 1947, The George Washington	D.C
	D.C. N.J. N.J.	University	
	N.Y.	sencentoid, Stanley	N.Y
B.S. 1938. College of the City of New York Schlossberg Sans Asset		Scholl Fradein Analysis	m
Sall New York		Schofield, Graham	M.
	D.C.	Schofield, Jack Hughey	Wa.
OCHIUCZNA HOP Man a Life -	Va.	Scholtz, Edward Karl	Va. Md
	Ohi.	Schofield, Graham Schofield, Jack Hughey Scholtz, Edward Karl Scholz, Walter Ernst	D.C.
Ountilly Lacted Alance 1	Ohio	Schoolfield, Nellie Louise	3/-
Schmalzer, Henry Walter	D.C.	Schoolfield, Nellie Louise	Va.
Schmalzer, Henry Walter Schmedel, William Carl	Pa.	Schoonmaker, Pusene Vrooman	W.Va
	Wis.	Schoolover, lobe Patward	Md.
B.S. in E.E. 1943, Princeton	Pa.	Schrattle, Arthur William	Va.
University		Schram, Dorothy Issa	Va.
Dentitied, P.Pwan	5.0	achreiber Fall Taking	D.C.
B.S. 1934. Haverford College	D.C.	B.S. 1929. United States Naval	Pa.
- concle		Academy Academy	

The University Record

			M
Schreiber, Sam	DC. NT. DC. NY. NY.	Schwartz, Joseph Brewer Schwartz, Julius Louis	18.3
Schreiner, Margaret Abramitis	. 1.	A B 1947. New York University	D.
Schreiner, Stanley Warner	DC.	Schwartz, Morton Filius	D.
Schreyer, Charles Henry Schrier, C. Esther	18.	Schwartz Serthan	17.7
Schroder, Donald Elizabeth	V. I.	So wartz, Robert Charles	M
Schroeder, Andrew Jackson	1) (Schwartz, Simon Joseph	D.C
Schroeder, Leo Schrott, Elaine Esther	Wis.	Schwartz, Stuart Irwin	D.C
Schrott, Elaine Esther	D.C.	Schwartzbach, Saul Marvin	Vi
Schrumpl, Jeanne Marie B.S. 1947, Pennsylvania State College		Schwarz, Albert Paul	Mi
Schulaget Cocalia Williams	1/2112	Schwarz, Albert Paul Schwarz, Frederick Charles	
A.B. 1915. Baker University		BS. in Ed. 1938, Panzer College of Physical Education and Hygiene	06
A.B. 1015. Baker University A.M. 1045. The George Washington	n	Schwarz Harry Emanuel	DO
University	D.C.	Schwarzman, Bernice E	D.Y
Schuirmann, William Carter A.B. 1940, Pomona College	D.C.	Schwarzman, Estelle	7. 8
Schulke, Ruth Dillon	Va.		
A.B. 1931, University of North		B.B.A. 1010, College of the City of New York	374
Carolina	21.37	New York	[1]
Schulkin, Morris	N.Y.	Schweizer, Raye Rosenbeck Schweisthal, Robert John	
A.B. 1010. Brooklyn College M.S. 1048. The George Washington		B.S. 1948, Loyola University of	
University		Chicago	D.C
Schulman, Mortimer	NY	Schweitz, Edwin Paul	
Schulman, Sidney	Va	Schweitzer, Britt John	D.C
Schulten, Carl Lang Schultz, Herman David	Pa. N.Y	B.S. 1047. American University Schweitzer, Robert John Schweitzer, Walter Gareld, Jr	p.C
Schultz, Herman David	57.72	Schweitzer, Walter Gareld, Jr	
Schultz, John Hooker Schultz, Theodore Arthur	DC.	B.S. 1947, American University M.S. 1948, University of Michigan	25
DC 1048 Capital Interests		M.S. 1948, University of Michigan	D.C
Schultz, William Harrison Schulz, William Charles	Pa.	Schweser, Alfred Joseph Schwichtenberg, Alan Edward	D.C
Schulz, William Charles	W15.	Schwichtenberg, Alan Edward	Minn
B.S. 1048, University of Wisconsin	NY.	Schwier, Orville Roy Scoff, Frederick William	Mar
Schuman, Larry	D.	B.S. in M.E. 1942, University of	
Schumann, John Charles Schuppin Frie Aleph	DC	Minnesota	J.
S. I ippin Louis Albert	Pa. DC DC DC	Scornin, Ellen Cooney	
S. Fuer, Huery Robert	DC	Scoggins, Charles Robert Maryland	
Schutter Maxie Ann	DC	A B. 1948. University of Maryland	10
AB 1914 Pomona College	5.0	Scotlon, Kenneth Martz Score, LeRoy John	Di
Schussler, John D	DC	Scott, Albert Peter	112/2
BS. 1010. Genviluing College	DC	Scott, Alice Dorothy	2.
Schuster, Anne Marie Schuster, Franst M	D C D C	Scott, Alice Dorothy Scott, Bertha Wickliffe	1.1
Schuster, Louis Frederick, Jr	DC	A.B. 1934, Winthrop Contact	
	DC. DC	A B 1918, Princeton University A M 1946 Culombia University	
Schutz, Frederick Adolph, Jr.	DE	A B 1918, Princeson University	
B / B I'm 1 14" (DIAGLESTA OF		Scott Folsom Miko	
Pennsylvania C.L. L. L. L. L.	DC	Scott, Folsom Miko Scott Ger 11 Loroy	13
A B 1944 The George Washington	27	C I lerman to Call 1815	1,
(,) () () ()		Scott limes la kseed III	1.
Salary Malva	DC	Scott Junes Ja won III Scott Joseph R. vinsand, Jr Scott, Loretta Eastman Washington	
" B 1 " R The George Man ington		Scott, Loretta Eastman A.B. 1948, The George Washington	10
L'esc 's	1.1	University	81
S. Layler St. Lev	DC.	Sents Owen Woody	1 3
S I vier W "am Joseph AB tree Tree v College		Scott Patricia Ann	Lie
Schwab Robert Dean	Vi.	Scott, Pattie Jane	
Schwab Robert Dean	DC	Scott, Richard Gordon	
Schwah Alice Jacqueline	DC.	Scott, Roger Frederick B S 192" United States Naval	pi
Schwartz, Bella	D.C.	Academi _	D.
A.B. 1044. The George Washington		Cont. Russell Bert	inc
Schwartz, Ben	DC	Scott, Thomas James Scott, Wilbur Newton A.B. 1942. West Liberty College	
Schwartz, Dorothy Louise	Ohio	Scott, Wilbur Newton Liberty College	W 12
A B. 10A7. The George Washington		A.B. 1943. West Land	11
University	DC	Scruggs, William Joseph Scruggs, William Joseph Scruggs, William Joseph	
Schwartz, Harryette	DC.	Scudder, lone Campbell	
Schwartz, Helen Janet	DC. DC. DC.	RS. in Ed. 1931, University	
Schwartz, Herbert Schwartz, Irving	DC	Scudder, Ione Campbell B.S. in Ed. 1931, University of Tennessee	
Schwarte, 11ving			

Carl I seems			
Seabrooke, William Harvey, Jr. Seadler, Stephen Edward	D.C. N.Y.	Seigel, Irving Marvin	D.C.
Seal. Alan Gordon	N.Y.	Seigel, Shirley Florence	D.C.
Seal, Alan Gordon Seal, Frank Walker	D.C. D.C. D.C.	Sciple, Stanley Herkimer	Conn.
ocal, Morgan Swain	D.C.	Seiwell William James	D.C.
Seale, John Arthur A.B. 1943. The George Washington University	Tex.	Seiple, Stanley Herkimer A.B. 1949, University of Connecticu Seiwell, William James Sejen, Herman William Sahan Nith John	D.C.
A.B. 1943. The George Washington		Dekes, Ivica Josep	D.C. D.C.
University Seaman, Jean Wilson Seaman, Jeshe Thomas Seaman, Essle Thomas		Sekimura, Robert Sueo	Hawaii
Seaman Lesla Thursday	D.C.	Seibee, Thomas McClure	1.3
	D.C.	Seldenright, Doyle Webster	Mich.
	D.C.	A.B. 1941, M.B.A. 1942, University of Michigan Seleen, Mary Ellen Seley, Florence L. Selfon, Henry David	
	Pa.	Seleen, Mary Ellen	Va.
Searcy, Clara McCormick A.B. 1933, University of Enid Sears, Earle Vincent Sears, Eillian Flood	Okla.	Seley, Florence L.	D.C.
Sears Fools V. University of Enid		Selfon, Henry David	D.C.
Sears Lillian Floor	D.C.	Seithman, Liten	D.C.
Sears, Lillian Floyd Seay, Charles Fillmore Seay, Ralph Matthew	Okla.	Selkowitz, Lawrence Emanuel Sellers, Lucy Mariah	Mass.
Seay, Ralph Matthew	D.C. Va.	Selhorn, Willis Herman	D.C
Seay, Kalph Matthew Seay, Shirley Anne Sebastian, Elaie Sebastian, Robert, Jr. Sebastian, Virginia Jean Sebastian, Angelo James B.S. 1947, University of Scranton	D.C.	Seltzer, Orie	Nebr
Sebastian, Elsie	Conn.	Selzer, George Bernard	D.C. N.H.
Sebastian, Robert, Jr.	N.Y.	B.S. 1942, University of New	04.00.
Sebastiani Appelo Jean	Conn.	Hampshire	
B.S. 1947 University of Servers	Pa.	Semmes, John Gibson Semmes, Luctte Goodbody A.B. 1948, Vassar College Semple, Malcolm McEwen B.S. 1949, American University Senar, Isabel Agnes	D.C.
Sebold, James Thomas	DC	A B 1048 Vassar College	Md
	D.C. N.Y.	Semple, Malcolm M. Ewen	DC.
A.B. 1939, Hunter College A.M. 1940, Columbia University		B.S. 1949, American University	DC.
Seckinger Devices University		Senar, Isabel Agnes	D.C.
Seckinger, Daniel Lamont II Secula, John David Seddig, Mohammed	D.C.	Senchyna, Thomas Joseph Sendejo, Serapio L.	D.C. N.Y.
Seddig, Mohammed	Pa. D.C.	Sendejo, Serapio L.	lex.
Sedlacek, Emanuel Joseph Sedmak, Michael Edward	Md.	A R 1048 Bridgewater College	D.C.
Sedmak, Michael Edward	Pa.	Sendindiver, John Frederick A.B. 1948, Bridgewater College Senft, Oscar Leo	Okla,
A.B. 1949. Muhlenberg College Seed, Richard Warren B.S. 1944. California Institute of Technology Seelbach Verner		Benn, Homer Alexander	S.C.
B.S. 1044 California Institute	Wash.	Sennello, France George, Jr. Sentman, Harold Albert	S.C. N.Y. Va.
Technology		Sentman, Harold Albert	Va.
Seelbach, Verner Seebold, Robert Elvin	D.C.	Sergeant, Audrey Lou Sergeant, Russell Chauncey Sergeant Russell Lewis	D.C.
Seebold, Robert Elvin	D.C.	Sergeant Russell Lewis	D.C
Seeger P. dward Chatana	Va.	Servais, Raymond	DC
Ph B 1942, University of Wisconsin Seegrist, Theo Lorraine A.B 1947, The George Washington		Servidio, Salvatore	DC.
A.B 1947. The George Washinson	Va.	Sestokas, John Michael Sertock, Abraham Charles	Pa
		Settick, Abraham Charles	Pa. DC.
	DC	Severe, Doris Wilmar Severe, Everette	Md
Seekins, Fotest Raymond Seese, Norman Alexander, Jr. A.B. 1918, Brigkewater College Seiton, Robert Dorsey Segal, Bernard Rubin	D C. N Y. W Va.	Severin Marilyn June	Md.
A R 1019 D. 1	W Va.	Severns, Robert Lou	D.C.
Selton Robert Dorsey		Severns, Robert Lou Seward, Edgar Carl	Okla
Segal, Bernard Rubin	V'a	Seward, Morton W	D.C.
Segal, Gladys Ruth	D.C.	Sexton, John Montgomery	DC
Segal, Gladys Ruth Segal, Henry Louis B.S., LL.B. 1941, University of	Minn.	Sevbert, Harry David Seven, Victor Emil, Ir	DC DC DC.
B.S., LL.B. 1941, University of	. *************************************	Sevenie Ich Alemin	Belgrum
Minnesota		Seymour, John Aloysius Sfarnas, James George Shaar, Camille M.	Md.
Seral, Janet Miriam A.B. 1945. The George Washington University	Md	Shaar, Camille M	D.C
University University		A.B. 1941, Pomona College M.S. 1947, Rensselaer Polytechnic	Fla.
Segal, Rena Greenblatt Segal, Stanley Seganish, William Emory	DO	M.S. 1947, Rensselaer Polytechnic	
Segal, Stanley	D.C. Mass.	Institute	
Seganish, William Emory	D.C.	Shadle Cont Cont	E11
	Fla.	Shadder William Names	Va
Seguin, Dorothy Pittenger	Minn.	Shade Casper Henry	NY
Seibert, Wauneta Belle	Wash.	Shade, James Russell, Ir	D.C.
Seidel, Arthur Harris B.S. 1942 College of the City		Institute Shaar, Nancy Crum Shackleford Coxington Shaddix, William Newton Shade, Casper Henry Shade, James Russell, Ir B.S. in Ed. 1940, State Teachers College, Millersville, Pa. Shade, Lavern Paul	12.
New York		College, Millersville, Pa.	
A.M. 1943, University of Michigan		Shade, Lavern Paul	DAM
B.S. 1942, College of the City of New York A.M. 1943, University of Michigan Seidel, Robert Joseph	Va.	Shadowen, Cyril Eugene Shafer, Alive Janet	Ohio
	NY	Shafer, Alice Janet Shafer, Elroy John Shafer, Food John	Iowa
Seigel, Arnold Elliott	NY. DC.	Shafer, Fred James	Wyo.
M.S. 1944, University of Maryland		Shafer, Ralph Maurice	Md
BS. 1944. (University of Maryland M.S. 1947. Massachusetts Institute of Technology	of	Shaffer, Donovan Keith	DC.
- consistory		Shaffer, Earl Edward	Mont W 1 a
			** **

Shaffer, Moreen Belle	Ohio	Shaw, Irwin Vincent	N.
Shaffstall, Lyle Meade	Pa.	Shaw Jackson Care	N.
Shaheen, Michael Edmund	Mass.	Shaw, Jackson Carr Shaw, Margaret	N.
	141 422	Character Albana Ta	Mis
B.S. 1938, Boston University	711	Shaw, Oliver Abbott, Jr.	
Shaheen, Richard Andrew	III.	A.B. 1938, University of Mississippi Shaw, Robert Harrison	V.
Shairrick, James Elmer	Ark.	Shaw, Robert Harrison	40
Shaller, Herman I.	N.Y.	A.B. 1940, Carroll College A.M. 1941, University of Wisconsin Shaw, Russell Ellwood	
A.B. 1941, Brooklyn College		A.M. 1941. University of Wisconsin	
Shalowitz, Ernest Maurice	D.C.	Shaw Russell Ellwood	N.Y
Shalowitz, Erwin Emmanuel	D.C.	Shaw, William Miller	N.Y
		Shaw, William Miller	n(
B.C.E. 1947, The George Washington	3	Shay, John Kenneth	Ma
University		Shay, Michael	2.5
Shamansky, Anna	D.C.	Shea, Catherine Virginia	70
Shamie, Emile Robert	N.Y.	Shea, Corienne Helen	D.C
Shamigian, Zoyart	D.C.	Shea, Joseph A.	Mass
Shampain, Leon	N.Y.	R S tota Roston College	
Charletin, Econ William	D.	B.S. 1942, Boston College	
Shandelmier, Ernest William	Pa.	A.M. 1945, Harvard University Shea, Richard Francis	Medi
Shane, Margaret Brinkerhoff	D.C.	Shea, Richard Francis	Mass
A.B. 1948, The George Washington		Shea, Robert Tracy	N.Total
University		Sheaff, H. Joan	Ne
Shank, Robert Edgar	Md.	A.B. 1948, Skidmore College	117.
Shanklin, Emily Shacklett	Md.	Shear, Catherine Elizabeth	Va
Shanka Jane Flizabeth	Md.		3,60
Shanks, Jane Elizabeth Shanks, Oscar Eugene	Md.	Shearer, Nancy Lee	Md Md
Change Conthin Famel		Shearer, Stanley Lewis	Md
Shannon, Cynthia Farrall	D.C.	Shearin, Plummer Mustian	
Shannon, John Elmer, Jr.	Pa.	B.S. 1936. Wake Forest College	D.C. D.V.C. D.J. D.C. N.C. D.C.
B.S. 1948, Philadelphia College of		Sheasley, Alfred Wilmer Sheedy, Thomas Patrick	0.0
Pharmacy and Science		Sheedy, Thomas Patrick	D.0
Shannon, Joseph Robert, Jr.	Tex.	Sheehan, Edward Patrick	An
Shapilo, John Joseph	Md.	Sheehan James Francis	D.C
Chanica Accesso Dana		Charles William Passais	D.C
Shapiro, Annette Rena	D.C.	Sheenan, William Francis	N.J
B.S. 1948, University of Maryland	21.15	Sheehan, James Francis Sheehan, William Francis Sheeran, James Joseph	n.C
Shapiro, Daniel Murray	N.Y.	Sheeskin, Jacob	n.C
A.B. 1948, Columbus College		Sheets, Evelyn Sydnor	D.0
Shapiro, David	N.Y.	A.B. 1026, Carson-Newman College	
Shapiro, Goodwin	N.Y.	A.B. 1926, Carson-Newman College B.S. in Ed. 1929, University of	
Shapiro Gustave	DC	Virginia	
Shapiro, Gustave Shapiro, Harry Alan	DC	Sheff Irring	Mass.
Charles Washest Varian	N.Y. D.C. D.C.	Sheff, Irving	
Shapiro, Herbert Irving	D.C.	A.B. 1948. The George Washington	
B.S. 1948, The George Washington		University	DC Fla
University		Sheffer, Robert Keith	DC.
Shapiro, Laura Leib	N.Y. D.C.	Sheffield, Noreen Leahy	512
Shapiro, Lois Sylvia	D.C.	Sheffield, Osceola Kirby, Jr.	D.C.
Shapiro, Nelson Hirsh	D.C.	Sheil, John Francis	D.C.
B.E.E. 1948, Johns Hopkins Universi	94	Sheketoff, Lewis Samuel	Conn
Chapita Nattie Sandra	III.		Ioms D.C. Va. Pa. D.C.
Shapiro, Nettie Sandra	200	Shelden, Avery G.	D.L.
Shapiro, Paul	D.C.	Sheldon, Donal Bruce	Va.
Shapiro, Stanley	D.C.	Shelhorse, Aurabelle Maryann	Pa.
Shapley, Charles Leland	Va.	Shelhorse, George Walter Shellard, Jennie Boyer	n.C.
Shipley, Ellen Shirff, Adrian Grant	DC.	Shellard, Jennie Boyer	2 - 112
Striff Adrian Grant	Va.	Shelledy Arthur Doyle	Pa. N.J.
Sharkey, Donald Sidney	Conn.	Shelley Francis Ioseph	211
Shacker Lames Francis	Pa.	Sheller Coorne William	M.J.
Sharkey, James Francis Sharkey, Rosemary Elizabeth	D.	Shelley, Arthur Doyle Shelley, Francis Joseph Shelly, George William	V3-
Sharkey, Rosemary Elizabeth	Pa.	Shelly, Herbert Hunter	Mich.
Sharp, Daniel DeWitt	Mass.	Shemky, Joseph John	Turkey
B.S. in E.E. 1939, Northeastern			1 00-
University		A.B. 1947. The George Washington	
Sharp, Venda Venell	Va.	University	outs.
Sharratt, George	Kans.	Shepard, Charlotte Margaret	ORC
LL.B. 1036. University of Missouri	acares.		Okla D.C. D.C. Va.
	21.17	Shepard, Robert Stanley	Dir
Shattuck, James Wilbur	N.Y.	Shepardson, Hazel Gertrude	Va-
Shattuck, Phyllis Eleanor	D.C.	Shephard, William Edward	DC.
B.S. 1010. Simmons College		Shenherd Dorothea Glenne	Ma.
Shaver, Pamela Clara	D.C.	Shepherd, John Henry, Jr. Sheppard, Daniel	N.Y.
Shavin, George	NY	Shennard Daniel	14.
Shaw Andre Merie Pontannia	Va.	A.B. 1948, The George Washington	
Shaw, Andre Marie Pontonnier Shaw, Daryl Winston	241	This resident washington	
Snaw, Daryl Winston	Md.	University	Coun.
B.S. 1911. State Teachers College, Mansfield, Pa.		Sheppard, David	- 2
Mansheld, Pa.		B.S. 1916, Yale University	D.L
M.S. in Ed. 1936, Duke University		Sheppard, Elizabeth Anne	NJ.
M.S. in Ed. 1936, Duke University Shaw, Dolores	D.C.	Shennard, Eve E.	Va.
Shaw, Elizabeth	D.C.	Sheppard, Eve E. Sheppard, William Jacob	D.C.
		Change Dhullis	D.
Shaw, Ellen June	D.C.	Sheppy, Phyllis	

St			
Sherard, Virginia Sherba, John Sherertz, Paul Cl. 1	Md.	Shingler, Julian James	0.
Sheresta John	Pa.	B.S 1939, United States Coast Guar	Ga
D o " a wul Caliborne	DC	Academy	u
B.S. in E.E. 1943, Duke University Sherly, Laurence Polkinhorn A.B. 1933, LL.B. 1936, A.M. 19 The George Washington University LL.M. 1937, Harvard University A.B. 1938 II P. 1938	y	Shingler, William Gendron, Jr.	Tenn
A.B. Laurence Polkinhorn	Md.	A.B. 1946, University of Missouri	
The Grand N. 1936, A.M. 19	47.	Shinn, Charles Curtis	Md
LL.M. toonge Washington Universi	Ly	Shinnamon, Ruth Stubbs	Va
Sherly, Raphael University	. D.C.	Shiozawa, Sam	Idah
A.B. 1933, LL.B. 1936, LL.M. 19 A.M. in Gov. 1941, The Geo Sharington University	D.C.	B.S. in Agr. Engr. 1941, Utah State	E
A.M. In Gov 1041 The Goo	30,	Agricultural College	
Washington University	1.Re	B.S. in E.E. 1948, The George	
Sheridan, Bernice Segall	Md.	Washington University	W.Va
A.B. 1944. Brooklyn College Sheridan, John Patrick Sheridan, Philip Henry B.S. in E. 1944. Worcester Polytechnic Institute Sheridan, Philip Regis	20000	Shipley, Charles Waldron	w.va
Sheridan, John Patrick	N.Y.	A.B. 1942, Stepherd College Shipley, Edward George	DC
B.S. Philip Henry	Mass,	Shipley, George Edward	D.C D.C W.Va
Polytant 1944. Worcester		Shipley, George Edward Shipley, John Bruce	W.Va
Sheridan, Philip Regis		A.B. 1940, Shepherd College Shipley, Nancy Kane	
	Pa	Shipley, Nancy Kane	Va
onerman b real real mony	D.C.	Shipman, Harvey Andrew	DC
Sherman, Corinne Lenore B.S. 1934, New York University B.S. 1934, University of Wisconsin	N.Y.	Shipman, Karl Waldo	Mass.
onerman, Corinne Lenors	III.	Shipp, Charles Kenneth Shipp, Thomas Wooten	Va
Sherman, Fred Sherman, Fred Sh. 1934, University of Wisconsin	411.	Shirey, William Cluff	D.C.
A P Fred	Va.	Shirek, Gilbert LaRue	D.C. Pa.
Sherman 1934, University of Oklahoma		Shirk, Grace Etta	D.C
Sherman, Robert Miller Sherman, Sidney	Tex.	Shirley. Fred William. Ir.	DO
A.B. Sidney	N.Y.	Shirley, Reginald Douglas	N.Y.
University The George Washington		Shiver, David Hawley	Ark.
Sherman, Robert Miller A.B., 1947. The George Washington University Sherman, Solomon Gastom Sherman, Vincent Edwin Sherr, Alan Edward		Shivers, Fanita Hollomon	Va
Sherman, Vincent Education	D.C.	Shlanta, Michael B	D.C. D.C. D.C.
Cherr, Alan Edward	D.C.	Shneiderov, Anatol James	D.C.
Shariff, Eleanor O	N.Y. D.C.	Shnider, Jack Carl	D.C.
A D. James Edward	D.C.	Shobe, John Edgar, Jr.	Md.
Sherr, Alan Edward Sherriff, Eleanor O. Sherriff, James Edward A.B. 1947. The George Washington	Iowa	Shockey, Evelyn Louise	Va.
A.B. James Edward A.B. 1947. The George Washington University Sherwin, Herbert David Sherwood, Frederick Sherwood, James Manuel Herbert A.B.		B.S. 1936, University of Virginia Shoemaker, Bernard Robert	2.1
Sherwin, Herbert David	Mass.	Shoemaker, Bernard Kobert	Va.
Sherwood William Winsor	Va.	Shoemaker, Carleton Randolph, Jr. Shoemaker, Randall, Jr Shoemaker, Robert Frank	Va.
Sherwood rederick	Va.	Shoomaker, Rangan, Jr	Va. D.C.
Sherwood, Frederick A.B. 1942, Harvard University A.B. 1947, The George Washington	Mass.	Shoem-ker William Robert	Ala.
Sherwood 12. Harvard University		Shoemaker, William Robert Shoenhair, Iack Lawrence	N.Y.
A.B. 1947 The Steck	Va.	Shonick, William	N.Y.
Sha University De George Washington		B.S. 1942. College of the City of	
A.B. 1947. The George Washington University Shewood, John Myera R.S.C. 1940. University of Virginia Shewood, Virginia Shewood, Virginia Shewood, Virginia Shewota, Ira		New York	
Shows 1940. University of the	Va.	Shookman, Loyd Allen	Ind.
Shermood, Stacy Charles	9.0	Shore, Jacob	Ohio
Shesser, Ira Shesser, Ira Shevokas, William Charles Shew, Rawwilliam Charles	Va.	BS in ME 1046 Illinois Institute	-
Shettel II	Va.	of Technology	
Shevokas Marlan	N.J. D.C.	Shore, Parkhurst Alan	D.C.
Shew, Russell am Charles	III.	Shorit, Charles Addison	DC.
Shevokas, William Charles Shevokas, William Charles Shev, Stateell Franklin Shields p. Frances Wilhelm	Md.	Shorit, Charles Addison B.S. 1947, University of Pennsylvani Short, Claire Anne	a
Skirids, Benjamin Wilhelm	Va	Short, Claire Anne	Md.
Shew, Russell Frankline Shibtey, Frances Wilhelm Shibtey, Frances Wilhelm Shields, Barnin Bayard Shields, Bert A. Shields, Elsie Trigg Shields, James Robert Shields, Rita Katharine Shields, Susan Braddy Shiget, Jean Hal	Fla	Short, Clyde Lonnell	DC.
Shields, Elsie Trian	N.Y.	Shortlidge, Anne	N.H.
Shield James Robert	Md.	A.B. 1941, Smith College	
Shields, Susan Braddy Shiffeet, Jean Helene	Md	Shosteck, Robert	Md.
Shiffet, Jean Helene A.B. 1936 Reidene	Mont.	A.B. 1937, The George Washington	
Shiflet Dean Helene	Md.	University	DC
AR Faul Wilson	D.C	Shott, Mildred Hollander B.S. 1948, Wilson Teachers College	D.C.
	Va.	Sharmall Clash Handing	DC
A.B. 1936. Bridgewater College Shimabukuro, Masaichi A.B. 1950.	200	Shotwell, Clark Harding Shoup, Wilson Elliott	D.C.
A.B. 1939. College of William and	D.C.	A.B. 1937, Indiana University	Va.
	N.Y.	Shove, Lois Aileen	Md.
Shimkus, Daniel P		Showalter, David Norman	Md.
Office a supplied Manager	Mass.	Showalter, Ruth Howell	Md.
A Ploward Larles	D.C.	B.S. 1936, Radford College	24843.
1040 D. Telle	Ohio	Showkeir, Julian Mansour	Va.
Shine, Warren Steven	CHILD	Shreve, Judith Hull	Va.
Warren Steven		Shriver, Jean Elizabeth	DC
	Mass.	Shroyer, Eugene Raymond	D.C.

1 D C	· Va.	Silling, Daniel Robert, Jr.	D.C. N.Y.
Shryock, Raymond DeSouville	V 66.	Cillman Dorothy Lillian	N.Y.
A.B. 1926, LL.B. 1929, University		A.B. 1940, Hunter College	
of Pennsylvania	Md.		Tenn.
Shryock, Richard Fuller A.B. 1939, University of North	240-6	Silver, Charles Silver, David Henry Silver, Jack Samuel Silverberg, Stanley Melvin	N.J. N.Y. Va.
Casolina		Silver, David Henry	M. 1.
Carolina Chunca Louise Hughes	D.C.	Silver, Jack Samuel	10 C
Shugar, Louise Hughes Shugars, Caroline Louise	Pa.	Silverberg, Stanley Melvin	D.C.
B.S. in Ed. 1937, Shippensburg State Teachers College, Pa. Shugart, Elizabeth Wise		Silverman, Aaron	Mic.
Tanchers College Pa.		A.B. 1948, The George Washington	
Shugart Elizabeth Wise	W.Va.	University	p.C.
A.B. 1947, Ohio State University Shugg, Doris Drake		Silverman, David	Va.
Shues Doris Drake	D.C.	Silverman, Florence EmmaLee	D.C.
Shuler James Benjamin	Va.	Silverman, Maurice Bernard	Md.
RS 1021 Roanoke College		Silverman, Norman	D.C.
Shuler, James Benjamin B.S. 1931, Roanoke College M.D. 1935, University of Virginia Shullenbarger, John Albert Shulman, Fay Janice		Simas, Victor R.	Okla.
Shullenbarger, John Albert	Md.	Simeroth, John William	D.C.
Shulman, Fay Janice	D.C. N.Y.	Siminsen, Richard Edwin	240
Shully Kichard Sylvan	N.Y.	Simmons, Arthur Edwin	R.I. D.C. D.C. Va. Pa.
B.S. 1944, College of the City of New York		Simmons, Chester Robert	D.C.
New York		Simmons, Clara I.	D.C.
Shumaker, Margaret Blair	D.C.	Simmons, Delford Edgar	D.C.
A.B. 1947. Smith College		Simmons, Dorothy Jean	Va.
Shuman, Ida Irene	D.C.	Simmons, Earle Witteness	Pa.
Shuman, Suzanne	D.C.	Simmons, Earle Mitchell Simmons, Frank Peter Simmons, Herbert Truxton Simmons, Howard Helmuth Simmons, James Quimbu, Jr.	
Shumate, Martha Lee	W.Va.	Simmons, Heroert Franch	Calil.
Shumate, Martha Lee Shumway, Elizabeth R. Shumway, John Rollin B.S. in Ed. 1938, Temple University Shundich, Peter Shunny, John Raymond Shupp, Walter Fleming, Jr. Shure, Gilbert Bernard B.S. 1934, Virginia Polytechnic Institute	Va.	Simmons, Howard Hermitel	N.J.
Shumway, John Rollin	Va.	B.S. 1939, Wate Forest College Simmons, Joseph Alvin Simmons, Loren Chase	- 0
B.S. in Ed. 1938, Temple University	13	Simmons Joseph Alvin	D.C.
Shundich, Peter	Pa.	Simmons Loren Chase	D.C.
Shunny, John Raymond	D.C. D.C.	Simmons, Richard Paul	Md.
Shupp, Walter Fleming, Jr.	D.C.	Simmons, Samuel Lockwood	Va.
Shure, Gilbert Bernard	Va.	Simmons Thelms Thompson	Va.
B.S. 1934. Virginia Polytechnic		Simmons, Thelma Thompson Simmons, Victoria Urquhart	Minn.
	Utah	A B 1046 Vassar College	51 V.
Shurtleff, Miller Francis	D.C.	A.B. 1946, Vassar College Simmons, William Aloysius	N.Y.
Shuster, Alvin	Va.	Simms, Barbara Anne	Md.
Shute, Kenneth Walter	Wis.	Simms Charles Francis	Man.
Shutkin, Joseph Jerome	44 401	A.B. 1941, University of Maryland LL.B. 1948, Georgetown University	
A.B. 1947, University of Wisconsin Shutt, Mary Frances	Ark.	LL.B. 1948, Georgetown University	111.
Shutt, Mary Frances	Va.	Simme Harriet S	-
Shytle, Eleanor Waite		BS in Ed. 1041. Northern Illinois	
A.B. 1943, University of Iowa Siciak, Walter Stanley Sidle, Thelma Blanche	Va.	State Leacners Concre	Md.
Sicial, Walter Stantey	Ala.	Simms, John Raymond Simms, Shirley Hazen	D.C.
Sidle, Theima Diancise	D.C.	Simms, Shirley Hazen	D.C.
Sidwell, James Dudley	Calif.	Simon Alfred Philip	
Siegel, Abraham B.S. 1940, College of the City of		B.S. 1947. Rhode Island State College	D.C.
New York		Simon, Jeannette Simon, Philip David	n.L.
Cianal Harry M	D.C.	Simon, Philip David	45
Siegel, Jacob Stuart	Pa.	Simon, Philip James Simon, Roger Oscar	D.C.
A.B. 1941, A.M. 1943, University of		Simon, Roger Oscar	D.C.
Pennsylvania		Simon, Samuel Louis	Ohio
Siegel, Julian Los	Md.	Simon. Samuel Louis Simone, Frank Anthony A.B. 1947. Harvard University Simonetti, Edward Simons, Karl Frnest A.B. 1938. University of California	
Siegel, Ralph	N.Y.	A.B. 1947, Harvard University	Mass.
A R 1048. University of Maryland		Simonetti, Edward	Hawaii
Siegfried, Robert Ellwood	Ohio	Simons, Karl Editornia of California	Wis.
Singler Ludith F.Hen	Ark.	A.B. 1938, University of Carnothia	Ak ta.
Sierichs, Helen T. Sifton, Paul Ginsburg	D.C.	Simonsen, Carl David B.S. 1016. University of Wisconsin	711.
Sifton, Paul Ginsburg	D.C.	C. Dishard Castallar	II.
Siggers, Marion Colling Siggers, Richard Lawrence	Nev.	Simonson, Richard Castellar	
Siggers, Richard Lawrence	D.C.	A.B. 1937, Illinois College A.M. 1939, American University	Md.
A.B. 1945. Columbia University	2.7.1	Simpson, Ethel Irene	Talla
Sigler, Wendell, Jr.	Md.	B C in Ed 1010 Emporia State	
A.B. 1945, Columbia University Sinler, Wendell, Jr. Silbaugh, Richard Walter	Iowa D-	B.S. in Ed. 1939, Emporia State Teachers College, Kansas	
Silbert, Gerald Melvin	Pa.	M.S. in Eng. 1947, Fort Hays State	2
Silbert, Gerald Melvin Silbert, Leo	D.C.	College, Kansas	N.C.
Siler Freds F.	D.C.	Simpson, Herman Leroy	V2-
Siler, Jimmy Crittenen	Va	Simpson, James William, Jr.	Calif
Siler, Jimmy Crittenen Silk, Harry	N.J.	Simpson, Joseph	D.C.
B.S. in E.E. 1931, Newark College of Engineering			
of Engineering		B.S. 1043, University of Maryland	p.C
M.S. in Phys. 1943, The George Washington University		Simpson, Margaret Helen	
Washington University		C.t. Product and Communication of the Communication	

for the second s			
Simpson, Robert Ellsworth	Pa.	Skiados, Helen Georgina	DC
Simpson, Roxie Collie	D.C.	Skidmore Lack Hoover	NC
A.B. 1932. Meredith College Simpson, William Littlejohn	2.6.	Skiliman, Douglas Benjamin	W-
Simpson William Find	DO	Skillman, Dengras Denjamin	VII.
Sims, Andrew Jackson	D.C.	B S. 1942, Pennsylvania State Colleg	8
Sima Febral C	Miss.	Skinner, Ernest Brown	Kans.
	DC.	LL.B 1912, Wast.burn Municipal University of Topcka	
Sims, Harry Gay	DC.	University of Topika	
		Skinner, Henry Ross A.B. 1947. Us. versity of Wyoming Skinner, John William	Wyo.
13.D. 102h I R spec Hainenian of		AB 1947, University of Wyoming	
Arkansas		Skinner, John William	Md.
	Va.	A.B. 1942, Wesleyan University A.M. 1947, The George Washingto	
o. A.B. 1919. Cornell University		AM 1447 The George Washingto	n
Sinclair, Sheila Ann	D.C.	University	4.0
A.B. 1939. Cornell University Sinclair, Sheila Ann Sincoff, Janet Zelda Sing, Calvin Jung Sins, Joseph Lee Sing, Milton Lee	DC.	China Lamand Massis	D.C.
Sing, Calvin Tune	17 C.	Skinner, Leonard Morris	D.C.
Sing, Ioseph I	Md.	B.S. in Ed. 1935, Missouri State Teachers College	
Sing, Milton Lee	D.C.	Teachers College	50
Singer R	1/ (.	Skinner, Mildred Kolar Skinner, Paul Artemus Skolink, Nathan	D.C.
Singer El	Ohio	Skinner, Paul Artemus	Ald.
Singer, Elaine Betty	N.J. D.C.	Skeltak, Nathan	Md. N.Y.
	D.C.	Sk.ba, Helvnne Audrey	Conn.
Singer, Mary Phyllis	SD.	Skuster Gladys Itene	lowa
Singer, Robert Morey	DC	B.S. 1911 Iowa State College	
Singer, Robert Wale	NI	Slack William	N.J.
Singer, Stanley Irvin	SD. DC. N.J. DC.	B.S. 1933, Iowa State College Slack, W.Hiarm Slaff, Allan Paul	Pa.
Singer, Stanley Irvin Singer, Thomas Eric Singhas Pohas	Mass.	B.S. 1944. United States Naval	
Singhass, Wester Pritchard	31.	Academy	
Singhass, Wester Princh	Va.		D.C.
Singleton, Ewell Sam	D C.	Slaff, Mary Lee	D.C.
	D.C.	Slatkes, Martin	77
A.B. 1041 B. Anox	111.	Slafkes, Martin Slagle, Marjorie Ellen Slater, Carol Fahy	Pa.
Singman D., Derea College		Slater, Carol Fahy	Va.
Singman II	N.Y.	Slattery, Frank Joseph	D.C.
Singman, Julian Knox Singman, David Singman, Henry Dick Singman, Julian Howard Sing, Betty Ruth	N.Y. D.C. D.C.	Slattery, Frank Joseph B.S. 1018, Wilson Teachers College	
Singe D. Julian Howard	DC.	Slattery, Huett Harold Slattery, Richard Edward	Md.
	Pa.	Slattery Richard Edward	Mont.
Singo, Betty Ruth Sink, Alice Frances	D.C.	B.S. 1912, Montana State College	
Sint 1943, Madison College		Slattery, Richard Gates	D.C.
D. ane Lee	D.C.	Slaughter, Patricia Anne	Md.
D.5 in Ed. 1041 Framuille State	2.0.	Claum Ren again	Md.
R.S. 1943. Madison College Sink, Jane Lee B.S. in Ed. 1943. Farmville State Teachers College Sinsabaugh Volume		Slavin, Benjamin	TATA.
Sinsabaugh, James Alexander Sinsky, Anthony John Sipe, Sarah Milnes	91.	B.S. 1941. Western Kentucky State	
oinsky, Anthony I-1	Va.	Teachers College	21.21
Sipe, Sarah Milnes B.S. 1928, Madison College Sirbauch, Isaac William	Wis,	Slavin, Joseph George	NY.
	Va.	Sleight, Ann Caroline	Maine
Sirbauch Ton Madison College		Sletten, Robert Fugene	ND.
Sirbauch, Isaac William Sirmai, Albert	Va.	Sleight, Ann Caroline Sletten, Robert Fugene Sleven, William Victor Sligh, Frederick Henry	Iowa
Sirone Pari	D.C. N.Y. N.Y.	Sligh, Frederick Henry	Va.
Sirotta Solomon Sisemore Home	N. Y.	Sload, Philip H.	Va.
Sisema Jolomon	NY	Sloan, Richard	111.
Sisemore, Hope Laverne	Okla.	Sloanaker, Russell Maul, Jr.	Pa.
Siskind, Eliot Irvin	Md.	B.S. 1041. Pennsylvania State College	
A.B. 1948, Johns Hopkins University Sislen, Ann Helen Sissenwine, Norman	1484.	Sloane, Edward Frederick	Md.
Sisten, Ann Helen	DC	Stoane, Edward Frederick	
Sissenwine, Norman	DC. NY. DC. DC.	Slotemaker de Bruine, Jan Rudolph	D.C
C. Virginia I en	D.C.	Slothower, John Henry Slother, Claude Conley	Md
Sissner, Virginia Lee	DC.	Stasher, Claude Conley	Va.
Sithena Edward C	DC.	Slv. Robert Dunham	D.C.
Sitcoaka, Helen Alice Sitcoaka, Helen Alice Sithena, Edward Samuel Sitler, Williard Stanley Sit, Glenn William Sito, Anthony Joseph Sizemore, Ernest Nolin	Md.	Smagorimsk, Joseph B.S. 1947, M.S. 1948, New York	Md.
BS. tore Branley	Pa.	B.S. 1947, M.S. 1948, New York	
Oltz Glenn Mennsylvania State College		University	
Sivo Anth William	DC.	Smale, Ronald Anthony	Pa.
Sizemore E Joseph	Va.	Smalhout, John James	Calif.
Sizmore, Eny Joseph Szemore, Eny Joseph Skagga, Bruce A.B. 1942. The George Washington Skalak, Rose A.B. Rose	Va.	Small Leonard	N.Y.
A B. Bruce	Ohio	Small, Leonard Small, Virginia Provens	Ohio
11. 1942, The Garage Washington	Omo	Course Tonia Adalian	D.C.
Skalak, Rose		Smart, Janis Adeline	Wis
A D. Rose	NV	Smasal, O. Michael	
P.o. 1939. Hunter Callana	N.Y.	Smathers, Spurgeon Ellus	D.C.
Shati 1940, Columbia Li		B S. 1018. Wake Forest College	241
Share Joseph Basel		Smay, Charles Franklin, Jr.	Md.
Skelley, Joseph Brooks Skelly, George Martin Ta	Va.	Smedley, David	Va.
Skelly, George Martin, Jr.	Cuba	A B 1947, University of California a	t
Skelly, Maria nomas	Cuba	Los Angeles	
Skelly, John Thomas Skelly, Marjoric Winafred Skelton, James Roger	Cuba	Smernoff, Stephen David	Conn.
A.B. James Roger	Va.	Smiley, Frank Herbert	Nebr.
Skelton D. Mississippi College		B.S. 1941, University of Nebraska	
Skelton, James Roger A.B. 1018, Mississippi College Skelton, Robert T.	N.Y.	Smisko, Michael	Va.
	24. 2.	Similaro, Milenaci	va.

Cutal Alex Cuta	DC	Smith, Harold Calmes, Jr.	Md.
Smith, Alan Craig	D.C. N.C.	Smith Harold Jerome	D.C.
Smith, Alma Marie	Va.	Smith, Harold Jerome A.B. 1948, The George Washington	
Smith, Audrey Louise Smith, Barbara Anne	Md.	Iniversity	
Smith, Benjamin Williams	Va.	Smith, Harry Raymond	Md.
B S. 1940, Virginia Polytechnic	* 001	Smith, Harry Wallace, Jr.	Md.
Institute		Smith, Helen Frances	D.C.
M.S. 1947, The George Washington		Smith, Helen Page	Va.
Iniversity		Smith, Helen Ruth	D.C.
Smith Bernard Adrian	Wash,	Smith, Henry Hewlett	Ga-
B.S. 1934, United States Naval		A.B. 1938, A.M. 1942, The George	
Academy		Washington University	DC
M.S. 1942, Massachusetts Institute of		Smith, Herbert Willard	D.C. N.Y.
M.S. 1942, Massachusetts Institute of Technology		Smith, Hugh Edward	
Smith, Betty Jane Smith, Bonnie D. Smith, Charles Earl Smith, Charles Edwin	D.C.	B.Ch.E. 1947, Rensselser Polytechnic	
Smith, Bonnie D.	Tex.	Institute	Aris.
Smith, Charles Earl	Md.	Smith, Jackson Wray A.B. 1948, The George Washington	3 00
Smith, Charles Edwin	Va.	University	
D.S. 1931, United States Mayer		Smith, Iramae Stickney	D.C.
Academy Land In	Va.	Smith, J. Gordon	Md.
Smith, Charles Menry, Jr.	D.C.		D.C.
Smith Charles William	D.C. N.Y.	Smith, Jack Albert	N.M.
Smith, Charles Henry, Jr. Smith, Charles Reginald Smith, Charles William Smith, Chester Horace Smith, Cornelia Lloyd Smith, Daniel Gordon Smith, Daniel Gordon	Nev.	Smith, Jack Elliot	D.C.
Smith Cornelia I lowd	D.C.	Smith, Jack Morgan, Jr.	Ga.
Smith Daniel Gordon	Va.	A.B. 1948, Emory University	Total
Smith, David Bushnell	D.C.	Smith, Jack Wyman	Tex.
Smith, Delma	D.C.	Smith, Jack Morgan, Jr. A.B. 1948, Emory University Smith, Jack Wyman Smith, James Anthony Smith, James Merril Smith, James Mitchell Smith, James Oscar Smith, James Warren B.S. in Ed. 1931, A.M. 1939.	N.Y.
Smith, DeWitt Clinton, Jr.	D.C.	Smith, James Merril	D.C.
Smith, Donald David	Md.	Smith, James Mitchell	Va.
Smith. Dorothy	D.C.	Smith, James Oscar	Mich.
Smith Door Nawell	Maine	Smith, James Warren	Salvan
A.B. 1947, The George Washington			
in iversity	0	University of Michigan	Pa.
Smith, Dudley Burcham A.B. 1945, California School of	Oreg.	Smith, Jean Chandler	D.C.
A.B. 1945, California School of		A B rose Revn Mawr College	
Technology B.S. 1945, University of California at		A.B. 1939. Bryn Mawr College Smith, Jeanne Stanley Smith, Jennings Talbot Smith, Jesse Bond	D.C.
B.S. 1945. University of California at		Smith Jennings Talhot	D.C.
Los Angeles	D.C.	Smith Jesse Bond	Md.
Smith, Eben Stoddard	Md.	A B 1042 University of Virginia	
Smith, Edith Ann A.B. 1943, Arizona State Teachers	00000	Smith, John Discoe	Mass.
College		Smith, John Francis	D.C.
Smith, Edwin James	N.Y.	A.B. 1942, University of Virginia Smith, John Discoe Smith, John Francis Smith, John Stephen A.B. 1946, Passdena College	laro.
Smith Edwin Stratford	Utah	A.B. 1936, Pasadena College Smith, Joseph Edward Smith, Josephine Lucille	NY.
Smith, Edwin Stratford LL.B. 1944. The George Washington		Smith, Joseph Edward	N.Y.
University		Smith, Josephine Lucille	Die
Smith, Eleanor Lockery	D.C. D.C.	A.B. 1930, University of Buffalo A.M. 1943, The George Washington	
Smith, Emery Peter	D.C.	A.M. 1943, The George Washington	
Smith, Emory Clark	Tex.	University	D.C. N.Y.
A.B. 1929, Northern Texas State		Smith, Kendall Owen	N.Y.
College		Smith, Lawrence Crane Smith, Lawrence Sinclair	Fla.
A.M. 1933, University of Texas		A D Florida	1
LL.B. 1937. Southern Methodist		A.B. 1930, University of Florida Smith, Lee Donald	Md.
University	Va.	Smith, Leon Kushner	D.C.
Smith, Frances Caldwell A.B. 1935, College of William and	y m.	AR 1047 LL B 1048. The George	
Mary		A.B. 1047, LL.B. 1948, The George Washington University	D.C.
Smith, Francis Murphy	N.Y.	Smith, Leonard Phillip	Va.
Smith, Frank Melton	W.Va.	Smith LaBow Walter	Atte
A B 1010 Shepherd College		A.B. 1947, American University Smith, Lila Eleanor	Calif-
A.B. 1939, Shepherd College Smith, Frank White	Md.	Smith, Lila Eleanor	_
Smith Fred Lushing	D.C.	A.B. 1948, University of California	
Smith, Frederic Newcomb	Ind.	Los Angeles	Va.
Smith, French Crawtord	Md.	Smith, Louis Guy, Jr.	D.C.
Smith. George Francis	D.C.	Smith, M. Gertrude	
Smith, Gerald Winfree	D.C.	A.B. 1932, The George Washington	
	D.C.	University	D.C.
A R 1010 Flora Mardonald College		Smith, Margaret Anne	Va.
A.M. 1935, Duke University Smith, Grady Fay		Smith, Martin Timothy	IOWA
Smith, Grady Fay	Ga.	Smith, Mary Ann	Va.
Smith, Harlan Van Alen	Md.	Smith, Mary Muirhead	Md.
Smith, Harold	N.Y.	Smith, Mason Paul	

Smith, Mea Clyde	Md.	Smith, William Christopher	D.C.
A.B. 1917, University of Texas Smith, Melvin		Smith, William Milton	Miss.
Smith, Melvin	N.Y. N.C.	Smith, William Parkhurst, Jr.	D.C.
	N.C.	Smither, Marian Alexander	D.C.
1933. University of North		B.S 1934, Wilson Teachers College	
Carolina Smith, Mildred Lacticia	9.1	Smithers, Beverly Joyce	D.C.
	Va.	Smithson, Clyde Elmer	D.C.
Smith, Mitchell Dean	Tenn. D.C.	Smithson, James Elmer	D.C.
Smith, Myron Morledge, Jr. Smith, Nancy Joanne A.B. 1948, Hood College Smith, Natalie Harriet Smith, Nicholas Long III	Va.	Smoller, Melvin Irving Smolen, Joseph Sidney	D.C.
Smith, Nancy Joanne	Va.	A.B. 1946, University of California	Calif.
A.B. 1948, Hood College		Los Angeles	at.
Smith, Natalie Harriet	D.C.	Smolky, Sheldon Harmon	N.Y.
Smith, Nicholas James III	Va.	Smookler, Morton Bernard	DC
	Va. N.H.	Smood, Henry Branner	Va.
	Calil.	Smooky, Sheldon Harmon Smookler. Morton Bernard Smookler. Henry Branner Smookler, Hope Massie	N.Y.
	D.C.		
A.B. 1947. University of Wyoming Smith, Palmer Rathbone	1.	Removit, Jeannette	Pa.
Smith, Patricia Ann	Va.	Smullen, Isabelle Anna	D.C.
Smith, Paul Bridges	N.Y.	B.S. 1937. Temple University Smuzynski. Alvin Walter Smyrniotis. Pauline Zoe	2.41
B.S. 1941, United States Naval	24.2.	Smuzynski, zavin waiter	Mich.
Academy		R S 1048 The George Washington	ra.
Smith, Paul Henry	N.Y.	I'niversity	
Smith, Paul Henry Smith, Pearl O. Smith, Phyllis Gay Smith, Ralph Edwin	Ind	B S 1048, The George Washington University Smyth, Harry Thomas Snapp, Nathan J.	DC.
Smith. Phyllis Gay	NY.	Snapp, Nathan J.	Md.
Smith, Ralph Edwin	NY. D.C.	BS 1940, United States Military	
Smith, Rex Chapman	Md.	Academy	
e scichard Cook	Va.	Sneddon, John James	Va.
Smith, Richard Henry Smith, Richard Robert Smith Rehard Robert	Va.	Snegosky, Adella Mary	Minn.
Smith, Robert Dilman	Va. Va.	Snell Henry Ambrose, It.	Maine
Smith, Robert Marion	D.C.	Snell Henry Ambrose, Ir. Il S. 1943, University of Maine Size man, William Cornelius	Pa.
Smith, Robert Types III	Va.	Snider, Betty Eunice	Va.
A.B. 1948, The George Washington	V 4.	Snider, George Waven	Mo.
Smith, Robert Dilman Smith, Robert Marion Smith, Robert Tynes III AB, 1948, The George Washington University Smith, Robert Wilson Smith, Rodney Carl		Snider, John Lawrence	Va.
	DC.	A.B 1948, The George Washington	
Smith Rodney Carl	Pa.	University	
Smith, Roger Emerson Smith, Roger Emerson	DC.	Semedanass, Aileen Poling	D.C.
Smith, Roger Falter	Va.	A.B 1928, West Virginia University Snodgrass, Ernest Walter	y
B.S. 1940. United States Naval		Snodgrass, Ernest Walter	W.Va.
M.S. 1947, Ohio State University Smith, Roy Lindsay, Jr.		A.B. 1932, A.M. 1940, West Virginia University	
Smith Roy Lindson To	DC.	Virginia University	1.7
Smith Ruby Dare	Va.	Snow, Edward Francis, Jr.	Va. D.C.
	R.I.	Robert Francis	D.C.
Smith, Ruth N.	Md.	Snowden, Barbara	D.C.
A p. Samuel Rodmond	Va.	Snowden. Frederick Carroll	Va.
11. 1948, The George Washington		Snyder Albert Lloyd	Md.
Smith, Rushell Willard Smith, Ruth N. Smith, Samuel Rodmond A.B. 1948, The George Washington Smith, Sheldon Keith Smith, Sheldon Keith		Snyder, Charles Joseph	NI.
Smith Shielan Keith	D.C.	Snyder, Charles I homas	Mich.
B.S. John San Ban	Md.	A.B 1942, University of Michigan	
Salisbury, Md.		Snyder, Dennis Truman	N.C.
Chith. Thomas Benjamin	Ca	Snyder, Donald Kenneth	Pa.
Smid. Thomas Eugene	N.C.	Snyder, Esther Anne Snyder, Gilbert Reed	DC.
Smith, Thomas Benjamin Smith, Thomas Eugene Smith, Thomas Lewis Smith, Thomas Lewis Smith, Thomas Warner A. B. 1948. The George Washington	Ga. N.C. D.C. D.C.	Snyder, Gilbert Reed Snyder, Glenn Harold	DC.
A P Thomas Warner	D.C.	Smyder, Lee Francis	DC.
A.B. 1948. The George Washington		Snyder, Lillian Mary	III.
		18 S. 1017. University of Illinois	
Smith, Thurman B.S. 1940, East Texas State College Smith, Timothy Edward Smith, Tumothy Edward Smith, Truett Conwell Smith, Verna Emily Smith, Violet Zeigler	Tex.	M S S. 1939, Smith College	
Smith Times East Texas State College		Snyder, Lucille	Md.
Smith, Tonas Arthurard	Md.	Snyder, Mark Curtis	D.C.
Smith, Truett Conwell	Md. Fla.	Snyder, Merrill I	Pa.
Smith. Verna Emily	N.Y.	BS 1940, University of Pittsburgh	337 37
Smith, Violet Zeigler	Va.	Snyder, Rachel	W.Va.
	N.C.	A B 1914, Shepherd College Snyder, Sidney	Pa.
Smith, Wallace Morrell	Va.	Snyder, Stuart	D.C.
Smith sur Webster	D.C.	A B. 1947, Cornell University	D.C.
Smith, Wendall Arthur	N.H.	Snyder, William Junior	Pa.
B.S. 1938, University of Vermont Smith, Willard Franklin		Sobel, Agatha I.	N.Y.
ranklin	Va.	Sobel, Agatha J. A B. 1947, Hunter College	

	3.5	Saucek Frank Ismes	Va.
Sobolewski, Erma May	Mo.	Soucek, Frank James B.S. in E.E. 1948, The George Washington University	
Sodd, Mary Ann	D.C.	Washington University	
Soderberg, James William	D.C. Calif.	Sources Victor H.	D.C.
	Wis.	Soucer, Victor H. B.S. 1011, United States Naval	
Sohl, Walter Wood, Jr.	44 10.	Academy	1 .
		Soulant, Herman Albert	La.
A.M. 1940, Georgetown University	Calif.	Souther, Arthur Fuller Souther, Richard Stirling	Va. Md.
Sokobin, Cynthia Jane A.B. 1943, Stanford University Sokolowsky, William Solac, Juan Louis B.S. 1946, University of Algiera	Carri.	Souther, Richard Stirling	Ga.
A.B. 1943, Stanford Outversity	N.Y.	Souther, Richard Stirling Southerland, Elisabeth Lamkin A.B. 1040, University of Richmond Southerland, Robert Thomas Southwayo, LeRoy, Jr. Southwell, Paul M A.B. 1040, The George Washington	Ga.
Sokolowsky, William	France	A.B. 1940, University of Richmond	pc
B.S. 1946. University of Algiers		Southerland, Robert Thomas	Mont.
	D.C.	Southmayo, LeRoy, Jr.	Va.
Solbern, Marian Ruth	Norway	Southwell, Paul M	A mr
Solem, Irnelin	Va.	A.B. 1940, The George Washington	
Solem, Preston Arnold	DC.	University	[tah
Solis, Arnold	DC.	Southworth, Emma Lucinda	D.C.
Sollins, Alfred Daniel A.B. 1945, The George Washington		Sowards, Leona Noel	D. C.
University		A.B. 1947. Municipal University of	
Sollitt, William	D.C.	Wichita	D.C
Solnitzky Dorothy Louise	Md.	Sowards, Maxine Exet	D.C.
Solomon Alvin	Md.	Sowder, Richard Dunham	2
Solomon Benjamin	D.C.	A.B. 1934. University of Kansas LL.B. 1934. Harvard University	
Solomon Judith Marcia	D.C.	LL.B. 1934, Flarvard University	V3.
Solomon, Lewis Jay	D.C. N.Y. D.C. D.C.	Sowers, Mary O.	Md.
Solomon, Lillian Minnitz	D.C.	Sowers, Robert Hauer	13
Solomon, Nona Lee	D.C.	Spada, Aldo Frank	N. 3.
Solomon, Robert Joseph	PALICIA.	Spadafora, Carmele Spagnono, Raymond	D.C.
Solomon, Samuel Sidney	N.Y. D.C.	Spaid, Giles Henry	W.Va.
Solomon, Sidney	D.C.	Spain, Clara	Del. N.Y.
Solomon, Stanley Lawrence	Md.	Spain, Norman Noah	N.Y.
Sollitt, William Solnitzky, Dorothy Louise Solomon, Alvin Solomon, Benjamin Solomon, Judith Marcis Solomon, Lewis Jay Solomon, Lillian Minnitz Solomon, Nona Lee Solomon, Robert Joseph Solomon, Samuel Sidney Solomon, Sidney Solomon, Stanley Lawrence Solow, Max	Md.	A R 1046 Brooklyn College	- 0
B.S. in E.E. 1943, The George		A.B. 1046, Brooklyn College Spain, Robert Henry	D.C.
Washington University	Md.	Spalding Richard	D.C.
Solt, James Earl	ZWLG.	Spangler, Leonard William	Va.
Solt, James Earl A.B. 1934, University of Maryland	1	Spann, George Klepfer	D.C.
A.B. 1934. University of Maryland A.M. 1939. Columbia University Solter, Myron Woodrum Soltis, Emil Samuel	W.Va.	Sparks Donald Carroll	0.10
Solter, Myron Woodrum	D.C.	Sparks, Edward D.	Colo.
Soltis, Emil Samuel		B.S. in E.E. 1946, University of	
Soltow, William Donald, Jr. B.M.E. 1948, Rensselaer Polytech	Onio	Oklahoma	NV.
B.M.E. 1948, Rensselaer Polytech	IDIC	Sparks, Morris Murray	N.Y.
Institute	N.J.	Spatz, Murray	Sich.
Soltz, Shirley Ann	Minn.	Spaulding James Burton	Midl. D.C.
Somers, Bernard Vincent	Va.	Spaulding, Jo Anne Spaulding, John Henry Spaven, Margaret Napier	D.C.
Somers, George Britton	A.	Spaulding, John Henry	Va.
A.B. 1939, University of Richmone	Mass.	Spaven, Margaret Napier	Objo
Somers, Leonard	1. 1.	Speaks, James Taylor Spear, Harvey Milton A.B. 1942, Brown University	RI.
Somers, Nelson Roy	D.C. D.C.	Spear, Harvey Milton	14
Somers, Ruth Andrene	D.C.	A.B. 1942, Brown University	
Somers, William Francis	N.Y.	LL.B. 1948, Harvard University	D.C.
Sommerfield, Stanley Lyman A.B. 1940, LL.B. 1942, Syracuse		Spear, Moncriell Johnston	
A.D. 1940, EL.D. 1940, Sylacon		A.B. 1946, Cornell University	p.C.
University	Md.	Spearmark, Pearl	D.C.
Sommers, John, Jr.	D.C. N.J.	Specht, Doris Tackett	D.C.
Sonnabend, Joel Simon	N.J.		Mass.
Sonnenberg, Herbert Jerome	Md.	Spector, Eugene Paul A.B. 1047. The George Washington	
Sonnenfeldt, Helmut	Md.	A.B. 1947. The George Washington	
Sonnett, George Matthew	Pa.	University	N.Y.
	La.	Spector, George B.C.E. 1942, M.C.E. 1947, Brooklyr	
Sonrogni Charles Henry	N.J.	B.C.E. 1043, M.C.E. 1947, Dioday	-0
RS 1048. Fordham University		Polytechnic Institute Spector, Sharon Madeline	Div
Sonner, Genevieve Lois Sonzogni, Charles Henry B.S. 1948, Fordham University Sorell, Gerald Paul	NY. D.C. NY.	Spector, Snaron Madeline	D.Y. D.C.
	D.C.	Spector, Sidney Aaron Speer, William Thomas, Jr.	D.C.
Sorenson, Barbara Jeanne	NY.	Specifical Rodney Christopher	1 to bo
	lou a	Speidel, Rodney Christopher Spence, Charles E., Jr.	Idaho
Sorrell Frederick Maurie	DC. DC.	Spence, Charles C., Jr.	D.C.
		Spence, John Sherman	D.C.
Sorrella, James Victor	D.C.	Spence, Othniel Talmadge	INE
Sorrells, John Robert	Md.	Spencer, Carl Alfred B.S. in Ed. 1934, Miami University	20.00
Sorter Olive	Mo.	D.S. In Ed. 1934, Milami University	Mass.
Soccia, Louis Robert	NY.	Spencer, Charles Ellis	
Sotta, Robert Eugene	Kans.	A.B. 1938, Clark University	

Spencer, George Browning Spencer, John W. H. B.S. 1948, The George Washington University	DC	Condemnation Mass Climback	,
Spencer, John W H	D.C.	A.B. 1925, Coe College	Iowa
B.S. 1948, The George Washington	9 45.	Stafford, Bert Bedell	Tex.
University George Washington		A.B. 1947, University of Texas	
Spencer, Marjory Charles	Ky.	Stafford, Dorothy Craig	D.C.
Spences Bar. University of Kentucky		Stafford, Philip Wendell	Mass.
Spencer, Philip G. Hamilton	Va	B.S. in M.E. 1934, Worcester	
Spencer Paris	DC.	Polytechnic Institute	
	Va.	Stafford, William Pillon	N.Y.
Spencer, Robert Mitchell Spencer, Thomas Marshall Spencer, Franklin Balance	Tenn	Stage, Anson Hutchinson Stahl, Robert William	Va.
Spencer, Thomas Marshall	DC	A.B. 1948, Gettysburg College	va.
Sperberg, Franklin Robert	Wis.	Stainbrook, Norbert Elery	Pa.
A '744, United States Naval		Stair, Gerald Kent	D.C.
Academy Spering, Abraham Speecel, Morton Lee Speciman, Edward Ti		Stair, Ralph Lavar	D.
Spiegel Morton 1	DC. DC.	Stallings, Carlyle Page	Mid
Spielman, Edward Thomas Spielman, Emma Mueller A.B. 1941 A.M.	136.	Stallings, Clyde Morton	NC.
Spielman, Emma Mueller	Md.	Stallings, James Henry, Jr.	DC.
	19245.	A B 1948, Dake University Stallsmith, William Paul, Jr	Md.
Spiere Rochester		Stamation, Nicholas Constantine	D.C.
Spiett, Randolph Joseph Spiker, Donald Assa	D.C	Ll. B. 1919, Athens University	DC.
Spillingia hill:	1/	Stambach, George Leonard	Pa.
	D) (Stambaugh, Donald John	DC. DC. DC.
A.B. 1941. The George Washington University Spindler, June Arlyne	Utah	Stambler, Howard Victor	DC.
University George Washington		Stambler, Howard Victor Stambul-Sheik, Leonid	DC.
Spindler, June Arlyne Spinks, Benjamin Tolbert	1.1.	Stames, Harry Clay	l'a.
Spinks, Benjamin Tolbert	NY.	Stamey, Roderick Alexander, Jr.	DC.
Spiner, Jack Robert Spindes, James Deven	111	AB 1941, Rice Institute	DC
Spitalines Cl. Petitis	Fla	Stamper, Charles William	Pa.
Spataliney, Claire Toby Spataliney, Claire Toby Spataliney, Claire Toby Spataliney, Claire Toby Spataliney, Claire Toby	DC. NY DC. NY.	Stamulis, Aristides Stancill, Carl Borton	D.C.
ODITAL SACIETY	71.	Stander, Maxwell	D.C. N.Y.
Spitz, Herbert	D.C.	B.S. 1943. College of the City of	
Spirangel, Anne Sirch	11.	Nam Vark	
A Dagel, Anne Sirch	Md.	Stanisaulieuich, Nikoa Dragisha	D.C.
A.B. 1944, B.S. 1947, Columbia	491G.		D.C.
University Columbia		Stanley, Earl R B.S. in Ed. 1943, Kent State University	Ohio
Spivak, Richard Walter	Pa.	B.S. in Ed. 1943, Kent State	
Spivey The naterally of Pennsylvania	3	Seedles Francy Day Is	Pa.
**.10, 1040 1	Va.	Stanley, Emory Day, Jr. B.S. 1945, United States Naval	14.
Sulpas Carolina Chiversity of North		Academy	
	D	Stanley Frie	DC. NY. DC. NY. DC.
Sponaugh, George Isaac	Pa.	Studey, Marvey Studies, Marvey Studies, Marvey Studies d'Anelia Francis Stannard, John Sumner	V. J.
	DC.	Stinley, Marvey	DC.
Spradin, Margaret Loretta Sprague, Lowell Sanford Spraker, Glenna M	DC.	Stunnard Amelia Francis	N.Y.
	1.2	Stannard, John Sumner	DC
Spraker, Glenna VI.	Va	Stanne laner Maclaighlin	
Olympia Cit.	Iowa	Standburv, Ralph Emory Stapleford, LeRoy Brown Stapleford, Richard John	Va.
Springer, Harold Fulton	Va.	S'apie'ord, LeKov Brown	RI.
OD/IDea to 1111011	Va.	Stop eton Kienard tonn	D.C.
AB. 1941 Landerick	Md.	A R. 1917. Oregon State College	Creek.
A B. 1943. University of Illinois M.S. 1943. University of Wisconsin Springston, Charles Daniel		A.M. 1041. Louisiana State	
Springston, Charles Daniel Sprowell, Lucretia Cheel	*** * * *	(Introceies	
Sprowell, Lucretia Charles Sprowell, Robert Periode Charles	W.Va.	Stark, Harry Boger	Calif.
Sprowell, Robert Roy	Wio	B.S. 1016, United States Naval	
A.B. 1948, University of Delaware	Wyo.	Academy	
Spruce. Frances Spudie Frances	3.6.1	Stark, John Regan	Va
Spurlock Card Verhines	Md.	AB 1018. Cornell University	
	DC	M.P.A. 1946, New York University	9.2
Squire Way Taylor	K v	Stark, Lois Iva	Va.
OQUATION TO THE FIZERY	Pa.	Starkey, Jesse Lee A.B. 1948. Western Maryland Colles	Md.
orensan p	Tex.	Starkey, Myron Bywater	Calif.
ornka e i / Luward	Ohio	Starling, William L.	Md.
	DC	Starns, Charles Edwin	Ky.
Re and Andrew	Va.	Starns, Henry Carroll	Ky.
	V 4.	Starobin, Abraham Fred	DC
Stack, Robert Arthur	Va.	Starr, David Whelpley	D.C.
- certuil.	Mass.		D.C.

Starr, Hugh Kennedy	Tex.	Steinberg, Harry	N.J.
Starr, Selig	N.Y.	B.S. in M.E. 1946, New York	
A.B. 1940, Brooklyn Conege	Va.	University Stainbard Leach David	D.C.
Start, Barbara Lee	Kans.	Steinberg, Jacob David Steinberger, Hugh Marion	D.C.
Startz, Raymond Francis Startzell, Dale Eugene	Pa.	B.S. 1941, University of Virgini	
Stasiunas, Antanina Geneva	Mass.	Steinberger, Margery Saks	D.C.
Statts, Helen Anna	D.C.	Steiner, Archie Kenneth	Tens.
Stauffer, Clyde Andrew, Ir.	Pa.	A.B. 1935, Lincoln Memorial	
Stauffer, Howard Chester	Md.	University For Town	
	D.C.	B.S. 1936, East Tennessee State College	
B.S. in Ed. 1945, The George Washington University		M.S. 1040. University of Tennessee	
Stauffer, Nancy Miller	Pa.	M.S. 1940, University of Tennessee Steiner, Otto Thomas	N.Y.
A.B. 1944. Pennsylvania College		Steiner, Paul Llewyn	D.C. N.Y.
for Women	D.C	Steinert, Leif Emil	N.Y.
Stavis, Thomas Anthony	D.C.	Steinfort, Oliver Wallace	Va. Pa.
Stavish, Theodore	Md. D.C.	Steinfalk Pages	D.C.
Steadman, Lewis Tilden B.M.E. 1946, Syracuse University	D.C.	Steininger, Eugene Beachel Steinkolk, Roger Steinly, Paul Jay Steinmeyer, Robert Jay B.S. in E.E. 1943, University of	W.Va.
Stearns, Rita		Steinmeyer, Robert Jay	Nebr-
Stebbins, Jean Sally	N.Y. W.Va.	B.S. in E.E. 1943, University of	
Steck, Philip Clifford	W.Va.	.vcuiaska	
Stecker, Donald Max	D.C.	Stelck, William Ardell Stell, Jack Bowell	D.C.
Stecker, Julie Florence	D.C.	Stella, Miriam	D.C.
B.S. 1945, New York University Steech, Christophia	D.C.	Stenger, Howard William	D.C.
Steele, Cynthea	D.C.	Steninger John R	D.C.
Steele, Doris Virginia	D.C.	Stepanek, John James Stephan, Elsie G.	111.
Steele, Elroy Junior	Iowa	Stephan, Elsie G.	III.
Couls Too Emped	Va.	Stephens, Eugene Penley	Maine Md.
B.B.A. 1939, Texas College of Arts		Stephens John Je	Fla.
and Industries	D.C.	Stephens, Jack Payne Stephens, Jack Payne Stephens, John, Jr. A.B. 1946, The George Washington University	
Steele, Lendell Eugene Steele, Patricia	D.C.		
Steele, Walter Edward	D.C.	Stephens, Marvin Massey, Jr. Stephens, William Theodore	Va.
Steenerson, Palmer Seymore	D.C.	Stephens, William Theodore	Md. D.C.
Steer, Joseph Henry	Va.	Stephenson, Earl Donald Stephenson, Stephen Hall	Va.
Stefanick, Rose Marie	Pa.	Stering, Gisela	D.C.
Steff, Lois Lorraine	III. Wis.	Stering, Gisela Stering, Hildegard	D.C.
Steffanides, Edward Frank, Jr.	W 13.	Sterling, James Thaddeus B.S. 1947, The George Washington	Md.
B.S. 1931, United States Naval		B.S. 1947, The George Washington	
Steffey, Richard Carlisle	Va.	University Seeding Miles Coloin	D.C.
A.B. 1943, Rosnoke College		Sterling, Milton Calvin Sterling, William Norton	D.C. N.Y. D.C.
Stehl, Edward	Va.	Sterman, Milton	N.Y.
Steidel, James Charles	D.C.	Stern, Marvin Ray	D.C.
Stein, Charles Edward	N.J.	Sterns, Dorothy Irene	N.Y.
B.S. 1934. Case Institute of		A.B. 1946, Barnard College	NJ.
Technology Stein, Charles Robert	N.Y.	Sterr, Robert	Md.
Stein Harold Lawson	N.Y.	Stetson, Richard Stetson, Rufus Edwin, Jr.	Maine
A.B. 1947. The George Washington		A.D	
University		Stevas, Alexander Louis	Pa.
Stein. Julian Ulman	D.C.	provide printed and the control of t	Ohio Man
Stein, Laura	Pa.	Stevens, Donald Jr.	Ome
Stein, Mervin	Pa.	A.B. 1040. Muhlenberg College Stevens, Dorothy C.	D.C.
B.S. 1947, B.C.E. 1948, Rensselaer Polytechnic Institute		Stevens Gone Corner	Va.
Stein, Mordecai	D.C.	Stevens, Ioan Isabella	D.C.
Stein, Murray	Va.	Stevens, Gene Casper Stevens, Ioan Isabella Stevens, John Cameron	Mass.
Stein, Murray A.B. 1947. The George Washington		Stevens, Marguerite Dick	D.C.
University	21.5	Stevens, Nancy Reynolds	D.C.
Stein, Norma	N.J.	Stevens, Virginia Summerlin	Jowa Jowa
Stein, Orren Fischer	D.C.	Stevens, Wilbur George	n.C.
Stein, Paula M. Stein, Stanley	N.Y.	Stevens, William Henry	D.C.
Steinacker, Elaine Carlotte	D.C.	Stevens, William Henry	Md.
Steinbauer, Walter Henry	D.C.	Stevens, William Henry Stevens, Wynne Allan, Jr. A.B. 1030. College of William and	
B.S. 1947, Emory and Henry		Mary	D.C.
College		Stevenson, Blair Wayne	2,00

Stevenson, Ruth Blackwell			
A.B LOAS TO	Ind.	Stingley, Vern Gage	Md
A.B. 1948, The George Washington	n	Stinson, Willis Cullen	Va
Stevenson, William Benson		A.B. 1939, Marshall College	Y AL
Stewart William Benson	Md.	Stifewalt Rura books	*. ~
Stewart, Allan Hugh	Calif.	BS 17738, College of Charleston Stirling, Edwin Tillman	D.C
Stowert, Anita May	Va.	Sturling Edwin Tillman	
Stewart, Anta May Stewart, Barbara E. Stewart, Charles I.	Va.	State man Lucal	D.C
Stewart, Charles Lockwood	Nev.	Stitelman, Joseph	
A.B. 1927, A.M. 1929, Ph.D. 193 University of California A.B. 1946, The George Washington	f lvev.	B.S in F.E. 1934, Cooper Unio	n
Chiversity of California, FR.D. 193	0,	Stren, James Logan	Va
Stewart, Charles Tadd	200	Stitt, James Howard	D.C.
A.B. 1016 The C	Md.	Stock, William Stark	8 -
	1	B.S 1937, Mount St. Mary's Colle	P d.
Oleways Ci		M.B.A. 1939, University of	-8c
B.M.E. 1048, Clemson College Stewart, David Alfred, Jr. Stewart, Dorothy Carrenton	Md.	Pennsylvania	
Steware 1948, Clemson College		Stockard, Charles Geor	-
Stewart, David Alfred, Jr.	Miss.	Stockdale, William Arthur	Va.
Stewart, Dorothy Carrington	Mass.	Stockell, Charles White	Va.
A.B. 1941, Boston University	*******	A D to the state of the st	D.C.
Stewart, Eleanor Frances	Md.	AB 1948, Vanderbilt University	
Stewart, Elijah King	Okla.	Stockett, Clyde Norman	D.C.
Stewart, Ervin Otto		Stockett, Robert Monroe	Va.
Stewart, Francis Clement	Maine	Stockstill, Louis R.	Okla.
Stewart, Francis John	Pa.	Stockton, John Murrell	Tex.
A.B. 1948 West 31	Pa.	Stockton, John Murrell Stockton, Lorraine Maley	Vz.
A.B. 1948. West Virginia University A.B. 1948. University of Nevada Stewart, Henry A.B. 1948. University of Nevada Stewart, Howard Stewart, Inex Gererada		Stockton, Raiph Howell	Tex.
A.B. 1048 11 .	Nev.	Stoen, Royal Stanley	aca.
Stewart Ham University of Nevada		Stogsdill, Marion Russell	Va.
Stewart, Inez Gertrude	Va.	Stogsdill, Marion Russell Stoker, Martha Frances	Va.
	Va. N.Y.	Stokes, James Arthur Stolar, David Marrice	Pa.
Dieser a stiff Oli	N.Y.	Stolar David Marrice	D.C.
Stewart, Katherine Ferguson Stewart, Loretta Man	Lia.	Stolzesky C Pohore	D.C.
	Kame	Stell Ferrin Winks	Pa.
Stewart, Loretta May Stewart, Mary Elizabeth Stewart, Merrick, Ir	Pa	R C D A II P	S.C.
	DC	Stolarski, C. Robert Stoll Ervin Wightman B.S. in B.A. 1947. LL B. 1946. Universal of South Carolina Stoll. Water Arthur	
Stewart, Mildred Letitia Stewart, Robert Malcolm	DC	Carolina of South Carolina	
Stewart, Mildred Lettin	NC		D.C.
Stewart, Robert Malcolm BS 1947, California Indian	110	Stolov, Walter Charles	1.1.
5 1947 California I di	Va.	BS. 1948. College of the City o	1
Stewart, Rodney Ward	-	Stolworthy Harvey Leigh	DC
AB 1934, Carleton College AM 1934, Carleton College Ph D 1934, University of Chicago Stewart, Walter Jones Stubraws, Lois	D.C.	Stone, Barbara Nell	D.C. D.C.
A.M. Carleton College		Stone, Betty Barbara	Dic
PhD 1934. University of Chicago		Stone Bryce Douglas, Jr.	Tenn
Stewart, Walter Jones Stewart, Walter Jones		Stone, Claudia F. Stone, Clyde	Denn
Stibrary, Valter Jones	Va.	Stone Clyde	D.C.
A.B. 1942. The George Washington Stickler Many	Va	Stone Dolores Marion	DC.
1 The George Washington		Stone, Gregory King	Va.
Stickler, William Issac		Stone Helen Conne	D.C.
Stickney, Bernard B.S. 1918	00	Stone, Helen Seegar	Ind.
Rey, Bernard	D.C. N.Y.	Stone, lames Robert Stone, loan Bewden Stone, Joseph Jack Stone, Karl Letter	D.C. D.C. D.C.
	IN. E.	Stone, John Beyden	D.C.
Stick New York City of		Stone, Joseph Jack	D.C.
Nint 71 Elerhone C.		Stone, Karl Letter	D.C.
Stickney, Herbert Camp Stickney, Paul Herbert Stickney, Paul Herbert Stickney, Paul Herbert	Miss		Md.
Stiele, Eleanor B	DC	A.B 1047. The George Washington	27000
Stiefel, Eleanor Brooke Stiere, Clare Ann	Md.	Chiversity	
Stieren, Gerald William Stigent, John Oliver Stigets, Donald William	D.C.	Stone, Margaret Ann	W.Va.
C. Stigali John Ott Hilliam	Neb	Stone, Robert Oliver	Md.
Circus Donald ver	Mo.	Stone, Rose Louise	W.Va.
Sirgest, John Oliver Sirgest, Donald William Studer, William Warren, Jr. A.B. 1930, Amheret College A.B. 1946, Amheret College A.B. 1946, Amheret College	Pa.	A.B 1947. The George Washington	48 - 8 d.
e.A.B. Insam Warren, Ir.	Md.	University Stone, Virginia Greer	
Stiles Mary College	Maria.	Stone Viccinia Greet	Md.
A B recedith Newcomb	N.T. Y	Stone Vivien Helen	
A B. 1046 Amberst College Stillman William Cripe	NJ.	Stone, Vivien Helen Stone, Walter Kersten	D.C.
	-	Stone, William M. I.	Nebr.
Still CWIS Francis	DC	Stone, William M., Jr. B.S. 1946, New York University Stonebraker, Dan	DC.
Stilmati Scott, Tr	D.C.	Stonebushes Des	27.00
Still Jack William	D.C.	A D Il-i	N.Y.
Re Mary One	W.Va.	A D 1947, University of Rochester	2000
in Fall	Va.	Stoneman, Patricia Ray	Wis.
B.S. in Ed. 1933, University of Stimes, losenh E.	- (0.0	Stoner, Jean Cole	D.C.
Stin C. Joseph P. t.		Stoner, Merle McLaughlin	Pa
	Va.	Story, Elsie Dabney	Va.
Stine, Joseph Felix Stine, John Speerstna Stine, Mary Virginia		B.S. 1932, Farmville State Teachers	
Stine, Mary Virginia Stingle, Howard File	D.C.	College, Va.	
Stingle, Howard Ellsworth	D.C.	Stoner, Jean Cole Stoner, Merle McLaughlin Story, Elsie Dabney B.S. 1932, Farmville State Teachers College, Va. Story, James Wilbur Storler, Herbert Legalings	D.C.
	Ind.	Stotler, Herbert Jennings	Va.

Stout, Carol Margaret	D.C.	Stuart, Fred Wohlwend	Va.
Stout, Charles Wilson, Jr.	D.C.	Stuart, Jasper Edwin	D.C.
Stout, Henry Wallace	D.C.	Stuart, John Bruce, Jr. Stuart, Kenneth Earl	Va.
Stout, Joe William Stout, William Searl	Pa.	Stuart, Kenneth Earl	Ind.
Stout, William Searl	Pa.	Stuart, Lydia Towles	D.C.
Stoutsenberger, James Clifton	D.C.	Stuart-Alexander, Diana Thyrza	- 0
Stovall, Dorothy Ruth	D.C.	Margaret	D.C.
Stovall, Milton Alva	Ala.	Stubbs, Eugene Wilson	D.C.
Stover, Olin	D.C.	Stubbs, Lewis Glenn	Va.
Stowell John I	N.Y.	Stubbs, Mary Jane	D.C.
A.B. 1938, Syracuse University LL.B. 1946, Howard University Stoyanoff, Stephen	2710.	A.B. 1945, Shorter College	
II R 1016 Howard University		Stubbs, Marylee Wilson	Ala.
Steven of Stephen	Pa.	B.S. 1940, State Teachers College,	
Stoyanou, Stephen		Alabama	
Stoyanov, Sam	D.C. S.C.		Tes
Stradley, Agnes Flaunda	0.0.	Stuche, Adela L. A.B. 1941, The George Washington	
B.S. 1945, University of South		University	
Carolina Alden	D.C.	Stuckey, Mary Lucia	S.C. D.C. N.Y
Strain, Howard Alden	D.C.	Studds, Granville Murray	D.C.
Strain, Mary Charlotte	Va. N.Y. N.Y.	Studes, Granville Muliay	N.Y
Strang, Marian Elizabeth	N. V	Studley, Henry Jean B.S. 1943, New York University	
Strang, Roy Benson	D.C.	Stultz, Arnold Victor	Md.
Stratman, Mildred Marie		Stuitz, Arnold Victor	Mass.
Stratton, Eugene Aubrey	Mass.	Stultz, Norman Frederick	Md.
Stratton, Lawrence	N.Y.	Stultz, Traver David	
A.B. 1943, The George Washington		B.S. 1948, St. Louis University Stultz, Verle Lucille	3/255
University	31	Stuitz, Verie Lucille	18, 12
Straub, Robert Lee	Va.	Stump, Charles Albert	. 5
Strauss, Elliott Bowman	D.C.	A.B. 1948, University of Pennsylva	Va.
B.S. 1923, United States Naval		Sturm, Nicholas James	D.C.
Academy	50	Stutman, David	D.C.
Strauss, Esther Elizabeth	D.C. D.C.	Stutz, Frank August	
Strauss, Iris May	D.C.	B.S. 1931, Lehigh University	
Strauss, William Sigfrid	Va.	A.M. 1940, The George Washingto	D
A.B. 1932, Ph.D. 1933, University of Wurzburg, Germany		University	Rico
of Wurzburg, Germany	50	Suarez, Ada	nto Rico
Strawbridge, Lawrence William	DC.	Suber, James Walley	Miss.
Strawbridge, Phyllis Jeane	D.C. D.C. D.C.	Sudduth, Herschel Cochran	
Strayer, Francis Henry	DC	De son AB son MS son	
	00,000	D.S. 1937, A.D. 1940, M.S. 1930,	
B.S. 1935, A.M. 1939, The George	2.0.	M.D. 1942, University of Oklaho	ma Va
Washington University		B.S. 1937, A.B. 1940, M.S. 1938, M.D. 1942, University of Oklaho Sudhalter, Leonard Louis	
Washington University	DC.	Sudhalter, Leonard Louis Sudnik, Louis Frederick	Mass.
Washington University Streb, Doris Baldwin	D.C.	Sudhalter, Leonard Louis Sudnik, Louis Frederick	Mass.
Mashington University Streb, Dovis Baldwin Streb, Samuel Stephen	DC.	Sudhalter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar	Mass.
B.S. 1935, A.M. 1939, and George Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett	D.C. D.C. Idaho	Sudhalter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy	Mass.
B.S. 1935, A.M. 1939, and George Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett	D.C. D.C. Idaho	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan	Mass.
B.S. 1035, A.M. 1030, And George Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson	D.C. D.C. Idaho	Sudnik, Louis Frederick B.S. 1041, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel	Mass.
B.S. 1935, A.M. 1939, The George Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving	D.C. D.C. Idaho D.C. D.C.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George	Mass.
Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia	D.C. D.C. Idaho D.C. D.C. Pa.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sug, William Leonard	Mass.
Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise	D.C. D.C. Idaho D.C. D.C. Pa. Okla.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1041, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles	Man- d Man- D.C. N.J. N.C. N.J.
B.S. 1035, A.M. 1030, The George Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1043, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1047, University of New Mexic	D.C. Idaho D.C. D.C. Pa. Okla.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark Colles	Man. d Man. D.C. N.J. N.C. N.J.
B.S. 1035, A.M. 1030, The George Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis	D.C. Idaho D.C. D.C. Pa. Okla.	Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Suge, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark Colleg of Engineering	Man. d Man. D.C. N.J. N.C. N.J.
B.S. 1035, A.M. 1030, The George Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell	D.C. D.C. Idaho D.C. D.C. Pa. Okla.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1041, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice	Man. d Man. D.C. N.J. N.C. N.J.
B.S. 1035, A.M. 1039, The George Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1043, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates	D C. D.C. Idaho D C. D.C. Pa. Okla. N.Y. Md. Ill.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor	Man- d Man- D.C. N.J. N.C. N.J. Minn. D.C. Md.
B.S. 1035, A.M. 1030, The George Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucilie Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude	D C. D.C. Idaho D C. D.C. P2. Okla. N.Y. Md. Ill. D.C.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sueg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew	Mass. Mass. D.C. N.J. N.C. N.J. N.C. N.J. Minn. D.C. Md.
B.S. 1035, A.M. 1030, The George Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strobnamier, Edward	D C. D.C. Idaho D C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Andrew	Mass. Mass. D.C. N.J. N.C. N.J. N.C. N.J. Minn. D.C. Md.
Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strong, Ralph Lavell	D.C. Idaho D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Md. D.C.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Andrew	Mass. Mass. D.C. N.J. N.C. N.J. N.C. N.J. Minn. D.C. Md.
B.S. 1035, A.M. 1030, The George Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickler, Helen Louise Strickman, Louis Strickman, Louis Strickman, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strong, Ralph Lavell Strongosky, Evelyn	D.C. D.C. Idaho D.C. D.C. Pa. Okla. N.M. Md. III. D.C. Md. D.C. Pa.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Eleanor Lay	Man- d Man- D.C. N.J. N.C. N.J. Minn. D.C. Md.
Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strongosky, Evelyn Strether, Calvin Arnold	D.C. Idaho D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Md. D.C.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Xavier Sullivan, Craig Kiefer Sullivan, Eleanor Lay Sullivan, Elizavell Gertrude	Mass. Mass. D.C. N.J. N.C. N.J. N.C. N.J. Minn. D.C. Md.
B.S. 1035, A.M. 1030, The George Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucilie Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strong, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University	D.C. D.C. Idaho D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Eleanor Lay Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of	Man. d Man. D.J. N.C. N.J. N.C. N.J. Minn. D.C. Md. R.C. D.C.
B.S. 1035, A.M. 1030, The George Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strong, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University	D.C. D.C. Idaho D.C. D.C. Pa. Okla. N.M. Md. III. D.C. Md. D.C. Pa.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Xavier Sullivan, Eleanor Lay America	Mass. Mass. D.C. N.J. N.C. N.J. N.C. N.J. Minn. D.C. Md.
B.S. 1035, A.M. 1030, The George Washington University Streb, Doris Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmärer, Edward Strong, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University Strother, Greenville Kash B.S. 1943, Virginia Polytechnic	D.C. D.C. Idaho D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla.	Sudnike, Leonard Louis Sudnike, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Craig Kiefer Sullivan, Eleanor Lay Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of America Sullivan Eurene Francis	Man. d Man. D.J. N.C. N.J. N.C. N.J. Minn. D.C. Md. R.C. D.C.
Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Strickman, Louis Strickman, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strong, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute	D.C. D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla.	Sudnike, Leonard Louis Sudnike, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Susg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington	Man. d Man. D.J.C. N.J.C. N.J. N.J
B.S. 1035, A.M. 1030, The George Washington University Streb. Doris Baldwin Streb. Samuel Stephen Streets. Lucille Brackett A.B. 1943, Goucher College Streets. Ronald Emerson Streett. Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strong, Ralph Lavell Strongosky, Evelyn Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, Doeis Lucia	D.C. D.C. Idaho D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla. Va. Mass.	Sudnike, Leonard Louis Sudnike, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington University	Man. d Man. D.J. N.C. N.J. N.C. N.J. Minn. D.C. Md. R.C. D.C.
B.S. 1035, A.M. 1030, The George Washington University Streb. Doris Baldwin Streb. Samuel Stephen Streets. Lucille Brackett A.B. 1943, Goucher College Streets. Ronald Emerson Streett. Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strong, Ralph Lavell Strongosky, Evelyn Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, Doeis Lucia	D.C. D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla.	Sudnike, Leonard Louis Sudnike, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Eleanor Lay Sullivan, Eleanor Lay Sullivan, Elyapel Gertrude B.S. 1944, Catholic University of America A.B. 1948, The George Washington University Sullivan, Francis John	Man. d Man. D.J.C. N.J.C. N.J. N.J
B.S. 1035, A.M. 1030, The George Washington University Streb. Doris Baldwin Streb. Samuel Stephen Streets. Lucille Brackett A.B. 1943, Goucher College Streets. Ronald Emerson Streett. Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strong, Ralph Lavell Strongosky, Evelyn Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, Doeis Lucia	D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla. Va. Mass. Va.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Eleanor Lay Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington University Sullivan, Francis John B.S. in B.A. 1942, University of	Mand Mass. D.C. N.J. N.C. N.J. Minn. D.C. N.J. Md. R.I. D.C. D.C.
B.S. 1935, A.M. 1939, The George Washington University Streb. Doris Baldwin Streb. Samuel Stephen Streets. Lucille Brackett A.B. 1943, Goucher College Streets. Ronald Emerson Streett. Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strong, Ralph Lavell Strongosky, Evelyn Strother, Greenville Kash B.S. 1947, Harvard University Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, Doris Lucia Stroud, George Luhrs A.B. 1947, Stanford University Stroud, George Luhrs A.B. 1947, Stanford University Stroud, George Luhrs A.B. 1947, Stanford University Stroud, William	D.C. D.C. Idaho D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla. Va.	Sudnike, Leonard Louis Sudnike, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Suge, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Xavier Sullivan, Craig Kiefer Sullivan, Claarel Gertrude B.S. 1944, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington University Sullivan, Francis John B.S. in B.A. 1942, University of Pittsburgh	Mand D.J. N.C. N.J. Minn. D.C. Md. R.C. D.C.
Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Strickman, Louis Strickman, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strong, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, Doris Lucia Stroud, George Luhrs A.B. 1941, Stanford University Stroup, Windsor William Stroup, Windsor William Stroup, Easyon Sidney	D.C. Idaho D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla. Va. Mass. Va.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Xavier Sullivan, Charles Xavier Sullivan, Eleanor Lay Sullivan, Eleanor Lay Sullivan, Eleanor Luy Sullivan, Elyace Francis A.B. 1948, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington University Sullivan, Francis John B.S. in B.A. 1942, University of Pittsburgh Sullivan, Grace B,	Mand Masse DNJ NNJ NNJ Minn DCC Md. Md. Md.
B.S. 1035, A.M. 1030, The George Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strong, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, George Luhrs A.B. 1941, Stanford University Stroup, Windsor William Stroupe, Lawson Sidney Stroupe, Ray McKinley	D.C. Idaho D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla. Va. Mass. Va.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Xavier Sullivan, Charles Xavier Sullivan, Eleanor Lay Sullivan, Eleanor Lay Sullivan, Eleanor Luy Sullivan, Elyace Francis A.B. 1948, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington University Sullivan, Francis John B.S. in B.A. 1942, University of Pittsburgh Sullivan, Grace B,	Mand Mand D.J. N.J. N.J. N.J. N.J. Minn. D.C. Md. D.C. Md. Md.
B.S. 1035, A.M. 1030, The George Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucilile Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett. Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strong, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, Doris Lucia Stroud, George Luhrs A.B. 1941, Stanford University Stroup, Windsor William Stroupe, Ray McKinley Stroupe, Ray McKinley Stroube, Ray McKinley Stroube, Ralden Herman	D.C. D.C. Idaho D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla. Va.	Sudnike, Leonard Louis Sudnike, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Suge, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington Sullivan, Francis John B.S. in B.A. 1942, University of Pittsburgh Sullivan, Grace B, Sullivan, John Sullivan, John Sullivan, John	Mand Masse DNJ NNJ NNJ Minn DCC Md. Md. Md.
B.S. 1035, A.M. 1030, The George Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucilile Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett. Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strong, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, Doris Lucia Stroud, George Luhrs A.B. 1941, Stanford University Stroup, Windsor William Stroupe, Ray McKinley Stroupe, Ray McKinley Stroube, Ray McKinley Stroube, Ralden Herman	D.C. Idaho D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla. Va. Mass. Va.	Sudnike, Leonard Louis Sudnike, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Suge, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington Sullivan, Francis John B.S. in B.A. 1942, University of Pittsburgh Sullivan, Grace B, Sullivan, John Sullivan, John Sullivan, John	Mand Mand D.J. N.J. N.J. N.J. N.J. Minn. D.C. Md. D.C. Md. Md.
Washington University Streb. Doris Baldwin Streb. Samuel Stephen Streets. Lucille Brackett A.B. 1943, Goucher College Streets. Ronald Emerson Streett. Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strong, Ralph Lavell Strong, Ralph Lavell Stronger, Calvin Arnold A.B. 1947, Harvard University Strother, Calvin Arnold A.B. 1947, Virginia Polytechnic Institute Stroud, George Luhrs A.B. 1941, Stanford University Stroupe, Lawson Sidney Stroupe, Lawson Sidney Stroupe, Ray McKinley Struble, Alden Herman A.B. 1930, A.M. 1932, University of Michigan	D.C. D.C. Idaho D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla. Va. D.C. Va. D.C. Va. D.C. D.C. D.C.	Sudnike, Leonard Louis Sudnike, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington University Sullivan, Francis John B.S. in B.A. 1942, University of Pittesburgh Sullivan, John Sullivan, John Christian	Man. Man. D.C. Md. Md. Md. Md. Md. Md. Md. Md. Md. Md
Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Strode, Audrey Maude Strohmaier, Edward Strode, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, Doris Lucia Stroud, George Luhrs A.B. 1941, Stanford University Stroup, Windsor William Stroupe, Lawson Sidney Stroupe, Ray McKinley Struble, Alden Herman A.B. 1940, A.M. 1932, University of Michigan Strum, Joseph Franklin	D.C. D.C. Okla. Okla. N.Y. Md. III. Okla. Va. Mass. Va. D.C. Va. D.C. Va.	Sudnike, Leonard Louis Sudnike, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Suge, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington B.S. in B.A. 1942, University of Pittsburgh Sullivan, Francis John B.S. in B.A. 1942, University of Pittsburgh Sullivan, John Sullivan, John Sullivan, John Sullivan, John Sullivan, John Sullivan, John Sullivan, Mary Carmel A.B. 1931, A.M. 1933, The George Washington University	Man. Man. D.C. Md. Md. Md. Md. Md. Md. Md. Md. Md. Md
B.S. 1035, A.M. 1030, The George Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Stringham, Jean Maxwell Stroble, Edwin Bates Strode, Audrey Maude Strohmaier, Edward Strong, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, George Luhrs A.B. 1941, Stanford University Stroup, Windsor William Stroupe, Lawson Sidney Stroupe, Ray McKinley Struble, Alden Herman A.B. 1950, A.M. 1932, University of Michigan Strup, Werner	D.C. D.C. Pa. Okla. N.Y. Md. III. D.C. Md. D.C. Pa. Okla. Va. Wass. Va. D.C. Va. D.C. Va. D.C. D.C. D.C.	Sudhaiter, Leonard Louis Sudnik, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Sugg, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Eleanor Lay Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington University Sullivan, Francis John B.S. in B.A. 1942, University of Pittsburgh Sullivan, Grace B, Sullivan, John Christian Sullivan, Mary Carmel A.B. 1932, A.M. 1933, The George Washington University Sullivan, Nancy Ruth	Mand Mand D.J. N.J. N.J. N.J. N.J. Minn. D.C. Md. D.C. Md. Md.
Washington University Streb, Dovis Baldwin Streb, Samuel Stephen Streets, Lucille Brackett A.B. 1943, Goucher College Streets, Ronald Emerson Streett, Burnett Irving Strinz, Clare Julia Strickler, Helen Louise A.B. 1947, University of New Mexic Strickman, Louis Strode, Audrey Maude Strohmaier, Edward Strode, Ralph Lavell Strongosky, Evelyn Strother, Calvin Arnold A.B. 1947, Harvard University Strother, Greenville Kash B.S. 1943, Virginia Polytechnic Institute Stroud, Doris Lucia Stroud, George Luhrs A.B. 1941, Stanford University Stroup, Windsor William Stroupe, Lawson Sidney Stroupe, Ray McKinley Struble, Alden Herman A.B. 1940, A.M. 1932, University of Michigan Strum, Joseph Franklin	D.C. D.C. Okla. Okla. N.Y. Md. III. Okla. Va. Mass. Va. D.C. Va. D.C. Va.	Sudnike, Leonard Louis Sudnike, Louis Frederick B.S. 1941, United States Coast Guar Academy Sudol, Elvina Joan Sugar, Harold Samuel Sugerman, George Suge, William Leonard Sukalo, Charles B.S. in Ch.E. 1944, Newark College of Engineering Sukola, Anita Alice Sullivan, Arthur Victor Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Charles Andrew Sullivan, Craig Kiefer Sullivan, Elizavell Gertrude B.S. 1944, Catholic University of America Sullivan, Eugene Francis A.B. 1948, The George Washington B.S. in B.A. 1942, University of Pittsburgh Sullivan, Francis John B.S. in B.A. 1942, University of Pittsburgh Sullivan, John Sullivan, John Sullivan, John Sullivan, John Sullivan, John Sullivan, John Sullivan, Mary Carmel A.B. 1931, A.M. 1933, The George Washington University	Man. Man. D.C. Md. Md. Md. Md. Md. Md. Md. Md. Md. Md

Sullivan B. I.			
Sullivan, Robert Francis	D.C.	Swafford, Tommy Vaghn	D.C
B.S. 1948. The George Washington		Swain, Harold Gordon	Ala
	Va.	B.S. 1940, State Teachers College,	
Sullivan, Robert Marrin Sullivan, Robert Maurice	D.C.	Tros, Ala	AT
Sullivan, Samuel Alexander		Swain, Katherine Moody Swan, John Wesley Swan, Robert E.	Ala
		Swan Robert F	Ark
College, Edinboro, Pa. Sullivan, Thomas Vincent A.B. 1942, New York University Sullivan, William Franklin Suman, Theodosia Ann Sumby, William Hopkin A.B. 1942, University of Coanecticu B.S. 1942, University of Coanecticu		B.S. 1917. College of Puget Sound	V 2
A.R. Thomas Vincent	N.Y.	I B 10:6 Temple University	
Sullivan Will New York University		Swann, Carter Holman	D.C
Suman, Theodosia Franklin	Md.	Swann, Mary Violet	D.C D.C
Sumby, William Hanking	Md.	Swanson, Barbara Steele	D.C
A.B. 1942. University of Constant	Conn.	A.B. 1945, Bryn Mawr College	
Dummer, Leonard	Va.	Swanson, Betty Anne	D.C
B.S. 1933. M.S. 1938. College of the City of New York Summers, Charles Russel	V 6.	Swanson, Henry John Swanson, Kenneth Arthur	III
Survey of New York	0.00	B S. 1948, Allegheny College	D.C
Summers, Charles Russel	Va.	Swanson, Lawrence M.	Minn
of the Park, 1918, State College	te	Swanson, Mary Alice	Idaho
DUMPHOR E		B.S. 1947, University of Missouri	A COM DO
Summers, Elson Morington Summers, Everdean V	D.C.	Swanson, Ragnar Gosta	Mass
Summers, Everdean V.	D.U.	Swanson, Robert Warnick	Va
A.B. 1939. Calvin College	Va.	B M.E. 1947, The George	
A.B. 1939. Calvin College Summers, George Nixon Summers, Gerald Preston Summers, Leonard	Va.	Washington University	-
Summers, Gerald Preston	Va.	Swanson, Viceinia Anne	D.C.
	D.C.	Swanston, Charles William Swartz, Christian LeFevre	Va. Va.
Summers, Mary Jane	D.C.	BS tota University of Pennsylvania	Va.
Summersell, George Grayson B.S. 1948, University of Alshame	Ala.	B S. 1937, University of Pennsylvania LL.B. 1946, Temple University	
	0 000.	Swartz, Dorothy Lucille	Iowa
Sumney And Mona D.	D.C.	Swartz Frigene	Md.
O.B. In. C. Sir.	. D.C.	Swartz, Richard Miller	D.C.
Tr. Chiverant of Wass		Swartz, Richard Miller A B 1948 Columbia University	0.0.
LL.B. 1940, University of Richmond Sunday, Elmer George, Jr. Sunderlin, Marjorie Galliyan		Swasdib iri, Precha	Siam
Sunday, Elmer George Is	d	Swayze, Roy Albert	Va.
Sunderlin, Marjorie Gallivan Sunderman, Helen Lorraine	Pa	Swearingen, Anne Patricia	Md.
Sunderman, Helen Lorraine Sunderman, Shirley Keutha		Swearingen, Iris Inez	D.C.
Suns Chirley Keutha	III. Va.	Sweebe, Edward Chiles	XII.
B.S. Chen Yu	D.C.	Sweedler, Barbara Ruth	N.Y.
Sunderman, Helen Lorraine Sunderman, Shirley Keutha Sung, Chen Yu B.S. 1944, Yenching University, Peiping, China Suntay, Aurora Sylvia	2.0.	Sweeney, James Charles, Jr.	Va.
Suntay, Aurora Sylvia Supper, Frances Herrald		B.S. 1948. University of Denver	-
Supper Frances Sylvia	D.C.	Sweeney, Thomas Joseph Sweeney, Vincent Albert	D.C.
Supper, Frances Herrald B.b. 1941, University of Iowa Supper, Joan Louise Suraky, Bernard Arthur	Iowa	Sweeney, Vincent Albert	Minn.
Speed, Joan Louise of Jowa		B.S. 1935, United States Naval	
Surasky, Bernard Arthur	Md.	Academy Sweeney, William Finbar	Do
Sures, Bernard Arthur A.B. 1947. The George Washington Suren, Herry Ronald Surgen, Raymond Charles	D.C.	Sweet, John Manko	D.C. Pa.
11 1947. The George Washington	D.C.	Sweitzer Hanry Racher	Pa.
Surgen Ly		Sweitzer, Henry Becker B.S. 1941, United States Naval	Fa.
Suriee, Raymond Charles Suriee, Robert Travis Surowitz, Irma Selma	Mass.	Academy	
Surine, Robertond Charles	D.C. D.C.	Swell, Leon	N.Y.
Surowitz Iravis	D.C.	B.S. 1948, College of the City of	
Surane, Robert Travis Susinno, Anthony Suser, Arthur	D.C. N.Y. N.J. N.Y.	New York	
Susser, Arthur	N.Y.	Swenarton, Robert Owen	D.C.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N.J.	Swenson, Dale Abbott	Utah
1. 1948. The Const.	N.Y.	Swenson, J. Elmore	Va.
A.B. Leonard B. A.B. Leonard B. University Sutherland, Dorothy Calle		B.S. 1940, University of Utah	
Surhal Walle Lawon Ja-	92.	Swenson, Nella Jean	D.C.
Sutherland, Dorothy Gaile B.S. 1942, Virginia Military Turking	Va.	Swenton, Michael Jacobus	D.C. D.C.
B.S. and, Henry Clifton	Md.	Swetnam, George Dayton	D.C.
Sutherland Virginia Military Institute	Va.	Swift, George Warren	Va.
B.S. 1942. Virginia Military Institute Surberland, Julian Hoyt Surberland, William Robert Suto, Eugene Julius Suto, Eugene Julius	D.C	Swingle, Emilie Ruth	Pa.
Suto, Eugene Julius Robert Suttle, Herman Lude	D.C. D.C. D.C.	Swink, Madora Elizabeth A.B. 1947. Mary Washington College	Md.
Suttle. Herman Judson Re., Roger J.	D.C.	A.B. 1947, Mary Washington College	
THE PARTY OF THE P	W.Va.	Swither, John Melroy	Va.
2 1941 Readle	111.	Switz, Isadore Joseph	Ga.
B.S. Roger J. Suverkup be		Switzer, Walter Edwin	In.
Suverkrup, Maryjo Svasti, Yudhisthira A.B. 1940 Complete	0.0	Swope, Harold Carl	Mo.
A.B. Yudhisthira	Nev.	Swortzell, Lowell Stanley	D.C.
A.B. 1940, Cornell University	D.C.	Sybil, Jack Robert	Mo.
- Chiveletty		Sylvester, Eugene Paul	N.J.

3.4			
Sylvester, Malcolm Duncan	La.	Tanneberger, Walter Samuel Herman	Va
B.S. 1925, United States Naval		Tanner, Seymour William Tanner, Thomas Louis, Jr.	N.Y
J.D. 1939, The George Washington		Tanner, Inomas Louis, Jr.	Md
J.D. 1939, The George Washington		Tannhavier, John Ulrich Tansing, Richard Meldo	Ores
University	N.C.	B.S. 1948, University of Oregon	
Symmes, Courtland Symonds, Robert Henry Symons, Floyd Murphy	D.C.	Taphorn, Joseph Bernard	111
Symons Floyd Murphy	D.C. N.H.	B.S. 1943, University of Illinois	20
Synan, Anne Bates	D.C.	Taquey, Charles Henry	DC
Synan, Anne Bates Synan, Richard Tilson Szanyi, William Leo	Va.	Tarbert, Carroll Emerson	Pa
Szanyi, William Leo	N.J. D.C.	Tardosky, Arthur Joseph Tarpley, Gloria Swann	Ga
Szczukowski, John Arthur	D.C.	Tarpley, Gloria Swann	Md
Szoka, Charles Eugene	Pa. N.J. D.C.	Tarpley, James Harold Tarrant, William Theodore, Jr.	D.C
Szokolszky, Joseph Steven	DC	A.B. 1018. Stanford University	
Szumila, Anthony Dominic		A.B. 1938. Stanford University A.M. 1939, Tufts College Tarris, Maldi	427 0
Szwarchart, Maria Kadysz	D.C. D.C. N.J.	Tarris, Maldi	Wyo
Szwed, Clarence Francis	D.C.	Tarver, Mary Eugenia Tash, Ralph Philip	DC
Szyskowski, Frank P.	N.J.	Tash, Ralph Philip	Fla
		Tashiro, Jane Miako	DU
T		Tashiro, Jane Miako Tashof, Joseph Henry Taske, Morton Jerome	D.C
Traffe Jame Mal	Tex.	Tataraky Walter	P2.
Taaffe, Jesse Nel A.B. 1941, North Texas State Teachers College	a ca.	Tatarsky, Walter Tate, David Bramblett	D C Md
Teachers College		Tate, Marian Keeler	Min
Tabibi, Abdul Hakim	D.C.	A.B. 1925. The George Washington	
Table, Grayon Name		University	
Tabler, Grayson Brust	W.Va.	B.D. 1918, Chicago Theological	
A abter, Joseph 1404 var	D.C. Colo.	Seminary Tate, Thomas Rouse, Jr.	N
Taeves, Anne Taffet, Hana	N.Y.	Tatom Mary Helen	NJ
Tafena Ren	Md.	Tatom, Mary Helen A.B. 1947. The George Washington	
Tafoya, Ben Taft, Gordon Lewis	D.C.	n iversity	Then B
B.S. 1942, Iowa State College		Tatum, Hubert Melvin Tatum, Zella F. B.S. in B.A. 1940, Texas Christian	Tenn Tex
Taft, Howland Guild	N.H.	Tatum, Zella F.	
Taggart, Barbara Jean	D.C. D.C.	B.S. in B.A. 1940, Texas Christian	
Taggart, Barbara Jean Taggart, Samuel Ross	Va.	University	D.C.
Tait, Andrew	D.C.	Tauber, Leonard Murray	Dr
Tait, Reid Clifford	D.C. N.Y.	Taubman, Catherine A.B. 1947. New York University	RI
Tajen, Claire		Tausslig, Joseph Knefler, Jr.	K.
A.B. 1947, Hunter College	D.C. N.Y.	Tausslig, Joseph Kneffer, Jr. B.S. 1941, United States Naval	
Takaca Alexander Emery	N.Y.	Academy	DC
Takaca, Theresa M.	IN'R'	Taute, Carl Max	12.
Takabuki, Alice Sumiko Takaca, Alexander Emery Takaca, Theresa M. Takemoto, Kaname	Hawaii	Tavenney, Frank Brennan Tayloe, William Carr	1/3
Talbert, Burch Franklin Talbot, Elizabeth Jane Talbot, Raymond Stanley	D.C. N.Y.	Layloe, William Carr	25
Talbot, Elizabeth Jane	D.C.	L.L.B. 1941. National Law School Taylor, Ada Elizabeth	DIC
Talbot, Raymond Stanley	D.C.		213
Talbott, Philip Talbelm, Max Grove	D.C. D.C. D.C.	Taylor, Andrew Eustace	[de-
Tallentire, Lois Ann	Pa.	B.S. in M.E. 1947, Tufts College	pc
Talley Betty Jane	Md.	Taylor, Alene Joyce Taylor, Andrew Eustace B.S. in M.E. 1047, Tufts College Taylor, Barbara Jane Taylor, David Franklin Taylor, Donald Kent	Idaho
Talley, Ethel Ondrovich	D.C. Va.	Taylor, David Franklin	311.
Talley, Betty Jane Talley, Ethel Ondrovich Talley, James Staton Tallia, John	Va.	Taylor, David Frankin Taylor, Donald Kent LL.B. 1042, National University Taylor, Dyer Justice Taylor, Edward Rathbon A.B. 1047, Lafayette College Taylor, Elizabeth Taylor, Franks Gordon Taylor, Frank Jordan Taylor, Frank Jordan	
Tallia, John	D.C.	LL.B. 1942, National University	Di
	Md. Utah	Taylor, Dyer Justice	Di
Talmage, Henry Gardner A.B. 1948, The George Washington	Ctan	A R 1047 Lafavette College	Va
A.B. 1948, the George Washington		Taylor, Elizabeth	Ga
University Taltarall, Grace Campbell	D.C.	Taylor, Francis Gordon	G2.
Tamayo, Alvaro	DC.	Taylor, Frank	ni
Tamer, Joseph Jacob	D.C. D.C. D.C.	Taylor, Frank Jordan	Miss Fla D.C.
Tamson, Robert	D.C.	a my your . a result was the contract of	FI
Tan, Bermen	China	Taylor, George Oliver	Md.
Tannabaum, David	Mich.	Taylor, Glenn	Ohio
Tanck, Roland Henry A.B. 1939, University of Wisconsin	Wis.	Taylor, Harold Emory	T Compil
A.B. 1919, University of Wisconsin	Pa.	Taylor, Harold Eugene	Hawaii
Tanczos, Frank Ignatz	FE.	Taylor, Harry Earl A.B. 1948, The George Washington	
B.S. 1939, Moravian College	China	University	Va.
Tang, Lwen Chang Tang, Tze-Tung	China	Taylor, Herbert Bradley	P.C.
Tankersley, James David, Jr.	Ark.	Taylor, Irving Henry, Jr.	D.C.
A.B. 1948, University of California		Taylor, Jack Gilbert	

Taylor, Jackson Taylor, James Charles Taylor, John Henry Taylor, John Hunter Taylor, John Perry Taylor, Kenneth Carl Taylor, Lillian Pearl			
Taylor, Jackson	D.C.	Terrell, Edwin McClelland	Kans.
Taylor John VI	DO	Terrell, Jane Kathryn Terrett, Hunter Luzader Terrett, St. art Thornton	Conn.
Taylor John Henry	12.	Terrett, Hunter Luzader	Va.
Taylor John Paunter	DC.	Terrett, St. art Thornton	1'2
Taylor Kennesh Carl	Va.	Lerrill, Mildred	Tex.
Taylor, Lillian Pearl	Md.	Terrill, Ralph Barry	D.C.
	D.C.	B.S. 1941. Indiana University	
Taylor, Marion Eugene B.S. 1027 Washington Called	Va.	Terry, George Mulford A.B. 1947, The George Washington	Md.
B.S. 1937. Washington College	VI.	A.B. 1947, The George Washington	
B.S. 1937. Washington College A.M. 1947. The George Washington	0	University Terry, Leslie Dean	Va.
University		Tesoro, Salvatore	D.C.
	D.C.	Teter, John Earl	DC. NJ. NC.
B.M.E. 1945. University of Detroit Taylor, Marvin Elliott Taylor, Maurice Frances		Tevelow, Frank Louis	1.1
Taylor Marvin Elliott	S.C.	Tew, Charles Weaver, Jr.	1.6.
Taylor, Maurice Frances	Calif.	Tewinkel, G. Carper	Wash.
A.M 1939, Purdue University		B.S. 1012. State College of	
A.M. 1940. Indiana University A.M. 1940. Indiana University Appler, Maxine DeWoody A.B. 1947. Allestieny. College A.M. 1948. Fletcher School of Law Tanks.	5	Washington	
A.B. 1042 Allert Gody	Pa.	M.C.E. 1940, Syracuse University	
A.M. 1948. Fletches School of Law		Thacik, Margaret Ann	Ohio
Taylor Diplomacy		Thackaberry, Mary Waynette	Va.
Taylor, Paul Harold Taylor, Paul Harold Taylor, Paul S	DC	A.B. 1948, The George Washington	
Taylor, Paul Harold	D.C. Md.	University Thacker Edward Harvey	Va.
Taylor, Paul Harold	D.C.	Thacker, Edward Harvey A.B. 1042. The George Washington	14.
To Kalph Edward	D.C. N.C. D.C.	University	
Taylor, Robert John Taylor, Robert Lee Taylor, Robert Lee	DC.	Thacker, Odie Gregory	Ga.
	Pa.	Thackston Carl R. hard	SC.
Taylor, Robert Leslie	D.C. N.Y.	A.B. 1948. Furman University Thaler, Milton Tharp, Mary Ann	
A.B. 1941. Syracuse University Taylor, Rosalie D. Taylor, Samuel Frederick Is	N.Y.	Thaler, Milton	Va.
last sylacuse University	00	Tharp, Mary Ann	DC.
Taylor, Rosalie D. Taylor, Samuel Frederick, Jr. Taylor, Shelton Billy	D.C.	Thatch, Yvonne Helen	13
	Va.	Thayer, Harry Homer	DC.
A D. Sylvia Laird	Pa.	Theken, Joyce Bloeser	()10
1. 1948. The George Washington	1 0.	Theobald, Frederick H.	Ky.
Taylor, Shelton Billy Taylor, Sylvia Laird A.B. 1948. The George Washington Taylor, Thomas House		Theobald. Margaret Foote	Colo.
Taylor. Thomas Hart B.S. 1940, United States Navel	Ohio	Theophilos, George John	DC
B.S. 1940, United States Naval		Theriault, Rene John	Va.
Academy Taylor, Thomas Leiper Taylor, Vernon Taylor, Vernon Taylor, Walter Ralph B.S. in Ed. 1947, Ohio State University Tearle, Ernest Howard Tearnet, Hardd Harmen		Theroug, George Prederick	Va.
Taylor, Vernous Leiper	D.C.	A.B. 1941. University of Utah	
Paylor, Walter Delet	Md.	Therriault, William Woodrow	DC.
B.S. in Ed town Ohio	Ohio	Thevenin, Esther Blanche	Iowa
University Unio State		Thibadeau, Andrew Francis	Md.
Tearle, Ernest Howard Tearne, Harold Hammer	DC	A.B. 1947, The George Washington	
Teasue, Harold Hammer Teasue, Harold Hammer Teheau, John Peter Techner, Martin Richard Tecar, Elizabeth Ann Tecar, Veronica Helen	D.C. D.C. R.I.	University	3.6.1
Techni John Peter	R I	Thiel, John Frederick A.B. 1945, Emanuel Missionary	Md.
Tecras Martin Richard	Va.	College	
Teczar V. Zabeth Ann	Mass	Thiel, LaVerne Ralph	DC.
Teczar, Veronica Helen Tecd, Charlotte A. B. 1928. University of Michigan	D.C.	Thienel, Phillip Marie	III.
A.B. took	D.C.	Thomas, Carl William	Mo.
A.B. 1928. University of Michigan Texter, Lawrence William Texter, Virginia Joyce		Thomas, Charles Buddy	1) (
Tecter, Lawrence William Tecter, Virginia Joyce Teitelbaum, Louis	D.C. D.C. Va. Fla.	Thomas, Clarence Henry	D.C. D.C.
Teeter, Walter William	D.C.	Thomas, Earl Arunah	D.C.
Teitelbaum, Louis Teltein, Stanley, Ct	Va.	Thomas, Edwin Ross	N.C
Tel. Stanley Shaw	ria.	Thomas, Ernest Eugene	N.C. D.C.
	NY. NJ.	Thomas Franc Vesta	Fla.
Tempsi in Florence Jane Tender, Beatrice Florence	Ohio	Thomas, Frane Vesta A.B. 1943. The George Washington	2 101.
Tender, Beatrice Elaine Tennant, William Samuel	DC	University	
Tennane Meatrice Elaine	DC.	Thomas, George Andrew	D.C.
A B Samuel, Jr.	S.C.	Thomas, Gerald Mayes	Ohio
Tennant, William Samuel, Jr. A B 1948. The Citadel Tennery, Billy Jack Tennery, Morgan Ledyard		Thomas, Henry Archer	DC.
enny, Morgan I	Md.	Thomas, Henry Wolcott, Jr. A.B. 1935, Amherst College	Va.
Tan B. 1047 T. Bedyard	Md.	A.B. 1935, Amherst College	
tennery, Bully Jack Tenny, Morgan Ledyard A.B. 1047. University of Maryland Terboaki, Sylvester Adolf Terman, Frederick		Thomas, Howard Adams	Va,
Terkoski, Sylvester Adolf Terman, Frederick	N.Y.	Thomas, Howell Garrone	DC.
Terman, Frederick	Pa.	Thomas, James Louis, Jr.	Md.
Terrazas, Alfred	Del.	Thomas, John Breckenridge, Jr.	Ky.
and My. Texas College of Mines	Tex.	A.B. 1934, Western Kentucky State	
B.S. 1947. Texas College of Mines and Metallurgy		Teachers College	
		A.M. 1940, Indiana University	

Thomas, Laura Eleanor	D.C.	Thompson, Robert Louis	Ohi
A.B. 1940, The George Washington		Thompson, Robert Louis A.B. 1948, The George Washington	
University		University	V
Thomas, Mark Poulton	D.C.	Thompson, Russell Claude Thompson, Sidney, Jr. Thompson, Thomas Carlton	Mo
Thomas, Mary Jane	N.Y.	Thompson, Sidney, Jr.	D.C
Thomas, Mollie Jean	D.C.	RS 1048 University of Pennsylvania	
Thomas, Myrtle	D.C.	B.S. 1948, University of Pennsylvania Thompson, William Arthur Thompson, William Arthur Thompson, William Benbow, Jr.	V
B.S. 1931. Radford College Thomas, Olivita Norman	Va.	Thompson, William Arthur	D.C
B.S. 1010. Madison College	V 00.	Thompson, William Benbow, Jr.	L
Thomas, Orville Milton	Md.	A.B. 1947, University of Southern	
Thomas, Orville Milton Thomas, Paul Augustus B.S. 1948, The George Washington	Pa.	California	Vi
B.S. 1948, The George Washington		Thompson, William Blake	
University	2.41.1	A.B. 1947. The George Washington	
Thomas, Paul Bruce	Mich.	Thompson Winifred Grace	N.Y V. D. C.
Thomas, Ralph Leslie B.E.E. 1947, University of Louisville Thomas, Raymond Carrington	Fin.	Thomson, Eugene	N.X
Thomas Paymond Carrington	D.C.	Thomson, Robert Lee	D.C.
Thomas, Richard Ogden	D.C.	Thomson, Robert Lee Thomson, Robert Marshall	D.C
Thomas, Ruth	Ark.	Thorn, Patricia Alice	D.C
Thomas, Ruth Lee	D.C.	Thorndyke, Myron Samuel	D.C
Thomas, William Bates Thomas, William Henry	111	Thorne, Charles Harry	D.C
Thomas, William Henry	D.C.	Thorniley, Robert Miller	D.C
Thomasson, Mary Magdalene	D.U.	Thereton, Mary Ann	N.C
Thompson, Albert Lacy, Jr.	D.C.	Thorne Emmet Loseph	Md
Thompson, Allan Glasgow B.S. in E.E. 1942, Montana State	D.C.	Thorniey, Robert Miller Thornton, Mary Ann Thornton, Percy Thorpe, Emmet Joseph B.S. 1948, Western Reserve Universit Thorpe, Jacob Oliver Thorpedil William James	14-0
		Thorpe, Jacob Oliver	Dice
College Thompson Arthur Brown Is	Pa.		Mist
Thompson, Return blown, Jr.	Md.	A.B. 1947. University of Mississippi Thrift, Sterling Reynolds	n.C
B.S. in Ed. 1042. Rutgers Universit	У	Thrift, Sterling Reynolds	D.C
Thompson, Blaine Clairmont	D.C.	Thrift, William Carroll	Vs Vs
Thompson, Carl Franklin	Mo.	Thurman, Alice Merritt	Vs
Thompson, Colin Edward, Jr.	Va.	Thurman, Dale Leonard	
Thompson, Arthur Brown, Jr. Thompson, Ben Hanford B.S. in Ed. 1942. Rutgers Universit Thompson, Blaine Clairmont Thompson, Calif Franklin Thompson, Colin Edward, Jr. Thompson, David Lathrop	N.J.	B.S. 1939, University of Nebraska Thurmond, James Morgan Thurston, Virginia Sweeney Tibbets, Harold Venton Tibbits, Robert Cash Tibbott, David Winship B.M.E. 1945, University of Virginia Tichenor, Marjorie Ann Tiches, Cook James Tickel, Jobe Carlton Tickelin, Howard Erwin	D.C D.C Md
A.B. 1948, The George Washington		Thurmond, Cornellus Drooms, Jr.	D.L
University	711	Thurston Victinia Sweeper	Dic
Thompson, Delbert Addison	III.	Tibbets Harold Venton	Mo
Thompson, Delores Mae	D.C.	Tibbitta Robert Cash	Va
Thompson, Dorothy Morse	D.C	Tibbott, David Winship	
Thompson, Eleanor Lee	Md.	B.M.E. 1945, University of Virginia	N.C.
Thompson, Elizabeth Anne	D.C. Va.	Tichenor, Marjorie Ann	D.C
Thompson, Evelyn Lee	Va.	Tiches, Cook James	Md
B.S. 1941, Southeast Missouri State Teachers College		Tickel, Jobe Carlton	D.C.
Thereas Fresh Pavell	Va.	Ticktin, Howard Erwin Tidler, Harold Stanley	1/46
Thompson, Frank Revell	D.C.	Tidler, Harold Stanley	N.Y
Thompson, Garland Parnell Thompson, Genevieve Anna	D.C.	Tiedemann, Frank Henry	
Thompson, Geraldine	Oreg.	Tiedemann, Frank Henry B.B.A. 1943, College of the City of New York Tighe, John Francis Tighe, Paul Neuman Tighesen, Perley Dominic	N.Y. D.C. D.C.
Thompson, Grace Bishop	D.C.	Tighe John Francis	Pa
A.B. 1928, East Carolina Teachers	2.0.	Tighe, Paul Neuman	D.C.
College			D.C
Thompson, Harold Edward	Fla.	Tilge, Marie Rose	Md
Thompson, Harry Francis	Md.	Tillam Kalman	
Thompson, James Douglas	D.C.	B.S. 1935, Brooklyn College	
Thompson, James Pollard	Md.	B.S. 1935, Brooklyn College M.S. in Ed. 1937, College of the City of New York	
Thompson, John Paul	Va.	of New York	
Thompson, Lane Storer	D.C.	B.H.L. 1937, Jewish Theological Seminary of America	Wash
Thompson, Laura Josephine	D.C.	Tillama Julies Dacker	W Va
Thompson, Louis Clifford	Fla.	Tillema, Juliet Packer Tillev, Emerson Scott	Md
Thompson, Louis Hamilton	Ohio	Tilley, Jane Middleton	Yes
Thompson, Louis Hamilton Thompson, Lucius Fred Thompson, Mary Agnes	Ga.	A.B. 1948, Connecticut College	N.Y.
Thompson, Mary Agnes	Tenn.	Tillman, Murray	
H C 1010 State Teachers College		A.B. 1944, Brooklyn College	N.Y.
Memphis, Tenn. A.M. 1036. University of Tennessee			-
A.M. 1936, University of Tennessee	3.7.	B.S. 1941, New York University	Va.
Thompson, Mary Lucille Thompson, Myrtle Baber	Va.	Tillson, Paul Lambert	
Thompson, Myrtle Baber	Va.	B.S. 1938, M.S. 1939. Massachusett	Vs.
Thompson, Philip Adams	Va.	Tillson, Paul Lambert B.S. 1938, M.S. 1939, Massachusetts Institute of Technology Tilese John Sander	A an
Thompson, Ralph Franklin	Kans.	Tilton, John Snyder A.B. 1948, The George Washington	
Thompson, Robert Earl	D.C. Pa.	A.D. 1948, The George Washings	
Thompson, Robert Lee	Fil.	University	

The contract of the contract o			
Timber lake, George Taylor	Va.	Tomkins, Virgil Everett	LY.
	Md.	B.S. 1942, State Teachers College, Albany, N.Y.	
The same same same same same same same sam		Albany, NY	
Timken, Jeanne Tuerk	Md.	Toner, Mary Cunningham I Tong, Koon Wong Har	D.C.
Aimken, Jeanne Tuerk Timmins, Joseph Edward, Jr. Timmons, Robert Lee Timms, Edyth Alice Timms, Molly Anne Tindle, Kenneth Norman Tinkelenberg, Albert David	Va.	Tonkin, Edward Eagene	Md.
Timmons, Robert Lee	D.C.		III.
Timms, Edyth Alice	Mass.	Touty Carl Joseph	Pa.
Tindle Kannel Nie	Md.	Toole, Brice, Jr	Md.
Tinkelenberg, Albert David	DC.	Toole, Brice, It Toole, Wibert Walder B.S. 1841. Central State College of Maryland	Va.
· Ittaley, Thomas A		B.S. 1941, Central State College of	
B.S. 1948, University of Scranton		Maryland Toomus Islan Samuel T.	enn.
Tips, Rose Ramsay	D.C.	Toomey, John Samuel Toomey, John Wickheld N	Y.
Tipton, Clarence Lee	17.0.	B.S in E.E. 1942, University of	
	Md.	Michigan	
Alle Vess s	DC.		D.C.
A ISIN Man Y	DC.	A.B. 1928, A.M. 1930, St. Louis	
Title, Irwin	D.C. D.C. N.Y. D.C. D.C. D.C.	University	Va.
attle, Irwin Titone, Charles Franciscos Fitrington, George Frank, Jr. Tittsler, Ruby Bonita Titus, Elijah White, Jr. Titus, Jack Clarence R C	7. 1.	Toompas, Charles Arthur W. A.B. 1938, West Virginia University	va.
Tittales D. George Frank, Jr.	DC.	Tophysla Dorotha	Y.
Titus Flint Bonita	D.C.	A B. 1984, Brooklyn College	
Titus, Jack Clambite, Jr.	DC.	Topp, Mary Lucile	D.C.
B.S 1913 United Coases Name	D.C.	A B. 1944. Brooklyn College Topp, Mary Lucile Topp, Max Edward Co	onn.
Titus, Jack Clarence B.S. 1933, United States Naval		A.B. 1014. University of Pennsylvania	
Transport John Lineman	Mass.	Topping, John Kobert	Va.
Tabar, Fuson To, Kuo-Chu Toal, Vincent James Tobias, James Howard Tobin, Kenneth Edmund B.S. 1947, Georgetown University Tobin, Ralek At	DC DC.	Tor. Mildred Helen I Torcaso, Rox Reed W. Torchin, Nerman Gilbert I Tormilo Gertrede Toro Rafael Andres Puerto I	ash.
Toal Vincent	DC.	Torchin Norman Gilbert) (
Tobias, James	D.C.	Tornillo Gertrade	C
Jobin, Kenneth Edmind	Pa.	Toro Rafael Andres Puerto F	lico
T. S. 1947. Georgetown Hainstite	Md.	BS 1921, University of Puerto Rico	
B.S. 1947. Georgetown University Tobin, Ralph Aloysius Tod. Roy Stewart	W.Va.	BS 1921, University of Puerto Rico MS, 1925, Cornell University AM 1936, Harvard University	
Tod. Roy Stewart Todd. John George	Va.	AM 1016, Harvard University) C.
Todd John George	Pa.		D.C.
Todd William Richard	Md.	Toscano, Peter Ralph	Y.
Toel Myra Nearly	DC.		Y
Tod, Roy Stewart Todd, John George Todd, Venne Richard Todd, William Henry Tod, Myra Nan Toward Dominic Samuel	Md.	Toth Yough Palph	Md.
B F. F. 1944. The George Washingto	DC.	B.S. 1918, University of Minnesota	
Tor. Records Washingto)11	Totten, Isabel Ann	Pa.
COLMO- BIL	lowa	Tottle, Edward Loring Mi	ine).C
Toline, Francis Raymond Tollefson, Charles Will	DC.	Touster, Owen N	Y.
	Nebr.	Tourne Harriet Battlett	hio
	DC	A.B 1915, Western Reserve	1110
	N.M.	1.	
Tolley, Howard Elmer	Va.	Tovera Candido Mulato Philippi	nes
	h at.	Townsend Charles Fbv D	O.C
BS. 10ward Elmer Tolley, Mariorie Elizabeth Tolley, Nellie Conner Tolly, Virginia Flinder	DC.	AB 1948. The George Washington	
Tolley, Virginia Elizabeth Tolliver, John Shendan	Bir to a	University	00
	Va.	Townsend Feleene May Townsend John Edward Townsend Maximize Rhodes Townsend Maximize Rhodes	ζŢ.
Toliver, John Shendan Toliver, Robert James Tolson, Faelyn Hurd Tolson, Raymond Lee	DC.	Townsend Marione Rhodes	C
To som, Evelyn II	SD.	Townsend Nathamiel D	00
Tolson, Raymond Lee	D.C.	Townsend Richard Michael D.	C
Totson, Raymond Lee Totson, Robert Hough Roy, Ivan	Va.	Townsend Robert Arnold M	200
	DC.	BS 1041, Harvar! University	
44- 1945 Sock 22 .	DC.		vid.
Tom. David			C.
Tomasick, Ruth Alice	NY.	Tozier, Alvin Ozro Ma	
Tombaugh D. Alice	D _n	Traband, Sara Lucille B.S. 1948, University of Maryland	vfd.
Tombargh, Paul Leslie B.M.F. 1946. Georgia School of	111.	Trabb, Ralph N	Y.
Technology Georgia School of		A.B. 1947. The George Washington	
		University	
Tomchick, Robert	NY.	Tracey, John Charles, Jr. D	.C.
Tomphion, William Burringer	D.C	Trafton, Iona Ma	
Tombiek, Robert Tombinson, William Burrington Tomkins, John Ettinger Tomkins, Leonard George	NJ.	Traina, Dominick Robert N	.Y.
Leonard George	Va.	B.S. 1942, University of Maryland Trainer, Robert Frazer	fd.
	4 4.	A contract to the state of the	50.

Trainham, Elizabeth Hunter	Va.	Trueworthy, Orson William	D.C.
B.S. 1928, College of William and		B.S. 1016. Wilson Teachers College	
		B.S. 1936, Wilson Teachers College A.M. 1940, The George Washington	
Mary Lames Hashers	Pa.	University	
Trainor, James Herbert Trainor, Kenneth Edwin Traiser, Mabel Oakey	DC	Teulock Sue Raylog	D.C.
Irainor, Kenneth Edwin	D.C.	Trulock, Sue Baylor Truluck, Johnsie H.	Va.
Traiser, Madel Uakey	D.C.	P.C. and Calan Callana	100
Trammell, Rose Mary	Md.	B.S. 1928, Coker College	R.I.
Transou, Lucile Virginia	D.C.	Trumbull, Robert Gay, Jr. Trumper, Mary Madelaine Trussell, Charles Tait Trussell, Galen Douglas	111.
A.B. 1932, College of William and		Frumper, Mary Madelaine	
Mary		Trussell, Charles Tait	D.C.
Trapp, Madge Irene	N.Y.	Trussell, Galen Douglas	D.C.
Traugott, Stephen Charles Traupel, William Max	Md.	Lachackolake, Allred	D.C.
Traupel, William Max	D.C.	Tuberty, John Patrick A.B. 1946, Lehigh University	Pa.
Trautvetter, Robert Simmons	N.J.	A.B. 1046, Lehigh University	
Travaglini Constance	Va.	Tuchmann, Norman	Conn.
Travaglini, Constance Travaglini, Vincent D.	Va.	A.B. 1948, The George Washington	
Torolog James Edward	Va.		
Traylor, James Edward Traylor, Lawrence Milton	D.C.	Tucker Annabelle Vetes	Va-
Traylor, Lawrence Militon	Va.	Tucker Berry Kimbrosch	Va.
Treadway, Leon Wesley	342	Tucker, Detty Kimorooga	Vt.
Treakle, Hugh Charles	Md.	Tucker, Clyde David	pc
B.S. 1941, University of Maryland	200	Tucker, Harry Jackson, Jr.	Tex.
B.S. 1941, University of Maryland Treakle, Paul Wyatt	D.C.	Lucker, Lyman Ray	p.C.
Treasure, Paul Kenneth	8. 00 +	Tucker, Nancy Jane	Md.
Treasure, Ruth Virginia	Ohio	Tucker, Annabelle Yates Tucker, Betty Kimbroogh Tucker, Clyde David Tucker, Harry Jackson, Jr. Tucker, Lyman Ray Tucker, Nancy Jane Tucker, Peggy Lucille	76767
A.B. 1948, Ohio State University		Tucker, Simon	N.Y.
	Va.	B.S. 1940, College of the City of	
A.B. 1941, University of Illinois Trent, Curtis Ballard, Jr. A.B. 1941, Marshall College Transcept, Rossin Charles		R.S. 1940, College of the City of New York M.P.A. 1943, New York University Tucker, Virginia Anne A.B. 1948, Agnes Scott College	
Trent, Curtis Ballard, Jr.	W.Va.	M.P.A. 1943, New York University	117-
A.B. 1041. Marshall College		Tucker, Virginia Anne	Va-
Trentacosti Rosario Charles	N.Y. D.C.	A.B. 1948, Agnes Scott College	27
Trentacosti, Rosario Charles Treamann, Walter	D.C.		N.Y. D.C.
Towns Dubast William	Va.	Tugendhaft Robert Irwin	D.C.
Trever, Robert William	D.C.	RS 1048 The George Washington	
Trible, William MacLahon A.B. 1943. Princeton University	27100	Tugendhaft, Robert Irwin B.S. 1948, The George Washington University	
	D.C.	Tulenko, Ioseph George	Md.
Trickett, Arthur Rolland, Jr.	Va.		DC.
Trimble, Anne Elizabeth	va.	Tall Dubert Laure	DC.
A.B. 1925, University of Colorado	10	Tull, Robert Lewis Tully Jean Alice	1.2.
Trimble, Eugene Earl	Ky.		W.Va.
Trimble, Mary Allen	D.C. D.C.	Tully, John Montgomery Tully, Richard Edward	111
Trimble, South	D.C.	Tully, Richard Edward	N.J.
BS. 1948, University of North		Tumarkin, Janet Deveny	Cons.
Carolina	WF	Tumarkin, Janet Beverly Tumicki, John Benedict, Jr. Tupman, Edkar Minter	Va.
Triplett, Robert Samuels	Ky.	Tupman, Edgar Attnier	pc.
BS 1940, Kent State University		Tupman, Elizabeth Spencer	DC.
A.M. 1943, University of Unicago		Tupper, Charles Donald	Kans.
Triplett, Virginia Ellen	Va.	Tupper, Genevieve Frances	Ville
Tripp, Richard Carlton	Iowa	Turberville, Alice Atwill	
A.B. 1947. State University of		B.S. in Ed. 1941, Mary Washington	
Iowa		College	S.C. D.C
Tririole, Ruth Virginia	Va.	Turbeville, Bernice Fielder	D.C
Tritabaugh, Kenneth Franklin	D.C.	Turco, Rudolph Joseph	D.C
Tritle, Richard Reed	D.C.	Turnbull, Samuel Jay	D.C.
Trittipoe, William Jennings	D.C. D.C. D.C.	Turner, Billy Eugene	D.C.
Triviz Edward Ernest	N.M.	Turner Clarence William, Ir.	
AB. 1942, New Mexico College of		B S. In Mr. 1947, Purdue Oniversity	Md.
Agriculture and Mechanic Arts		Turner, Edward Clarence	4000
Trobia, Frank Joseph	Va. N.Y.	B.S. 1941, University of Maryland	D.C.
Traine Frenk Anthony	NY.	Turner, George H.	Va.
Troiano, Frank Anthony A.B. 1949, The George Washington	-44.0	Turner, George H. Turner, Humphrey Lewis	D.C.
A.B. 1949, Ins George Washington		Turner, Jack Alvin	Va.
University Edward	Md	Turner James Samuel	0.11
Trombley, Kenneth Edward	S.D.	Turner, Jack Alvin Turner, James Samuel Turner, JoAnne Turner, Justine Therese Turner, Laura Lucille	Calif.
Trompeter, Richard William	3.17.	Turner Justine Therese	D.C.
B.S. in E.E. 1947, South Dakota School of Mines and Technology		Turner Laura Lucille	N.D.
School of Mines and 1 echnology	DC	Turner, Malford Charles	74.6
Iron, Robert Augustus	D.C. N.Y. Pa.	Turner Marie Louise	Md.
Troop, Harrison Donald	N.I.	Turner, Marie Louise A.B. 1944, The George Washington	
Trotta, Rose Mary	13.	University	911
Trotter, Bernard Eugene	D.C. N.Y.	Tueser Mary Coroles	111.
Troy, Paul Joseph	N.Y.	Turner, Mary Carolyn	D.C.
Truax, Allan Bishop	D.C.	Turner, Mary Johnston	S.C.
Trueheart, William Clyde	Va.	Turner, Mary Joy	Tens.
B.S. 1939, A.M. 1941, University of Virginia		Turner, Max M.	
of Virginia		B.S. 1948, Georgetown University	

Turner, Netta Elizabeth	D.C.	Hastaha Massia Davis	27.37
Turner, Netta Elizabeth Turner, Richard Crawford Turner, Richard Pender	V.L.	Uretaky, Martin Davis	N.Y.
Turner, Richard Crawford Turner, Richard Pender	Va. Va.	A.B. 1948, New York University Uretz, Lester Robert	Wis.
	La.	LD. 1948. University of Chicago	WILL.
A.B. 1931, A.M. 1935, Louisiana State University Turner, Virginia Strom	A-offi.	Urgulart, John Goode	Md.
The State University		B.S. 1928, United States Naval	tald.
Turner, Virginia Strom	Tex.	Academy	
Turney, Joanne	Calif.	L'ssery Hurry McRae	N.C.
The report Lietchet	1.3.	Ussery, Harry McRae Usso, Anna Dolores	Pa. D.C. D.C. D.C.
Twee, Dorothy Edith Tway, Lawrence Edward Tweed, John Franklin Tweey, Betty Jean Twing, Shirley W.	Wash.	Ustun, Semili Avdemir	DC
Tweed Lawrence Edward	Calif.	Utrecht, Robert Packard	DC
Tween John Franklin	D.C.	Uweiztieta, Israel	D.C
Twine Ct. Jean	DC.		
4 WIDIDO T	Md. N.J.	V	
Twining, James Edward, Jr. A.B. 1941, Union College M.S. 1943, Syracuse University Tyles, Charles Raymond Tyree, Mary Lee	N.J.		
M.S. 1941. Union College		Vaccaro, Camillo Jimmie	D.C.
Tylee Charles Syracuse University	_	Vache, Barbara Marie Vail, Benjamin Anthony A.B. 1040, West Liberty State Colli	Ohio
Tyree, Charles Raymond Tyree, Mary Lee	D.C.	Vail, Benjamin Anthony	W.Va.
Tyrrell, Richard Campbell Tyson, Jean Carol	D.C. D.C. N.Y.		ege
Ayrrell, Richard Campbell Tyaon, Jean Carol A.B. 1947, The George Washington University Tarnes, Christ	N.Y.	Valanos, Constantine George	D.C.
A.R. IOAN The Co	Fla.	Valdez, Margaret	NM
University Une George Washington		Valencia-Abelardo, del Rosario, Jr.	D.C.
Izarnes, Christ	D.0	Valentine, Raymond Lee, Jr.	D.C.
A.B. 1947 The Course W. L.	D.C.	Valentini, Philip Endicott	D.C.
Tzarnes, Christ A.B. 1947. The George Washington University		Valentine, Raymond Lee, Jr. Valentini, Philip Endicott Valenzi, Joseph Thomas Valenzi, Louise Mary	D.C. D.C. D.C. N.Y. N.Y.
		Valenzi, Louise Mary	N.Y.
U		Valerius, Helen Valiant, Edward Alfred	Wyo.
		Valiant, Edward Alfred	Md.
Ubel, Harriet L.	Minn.	Valk, Henry Snowden	Md.
Cehlinger, John Clark Ugel, Stanley Zoul		Vallarino, Roberto, Ir.	N.H.
Ugel. Stanley Zoul	D.C.	Valler, Horace Joseph, Jr.	N.J.
Uhl. Charles Christian Uhl. John Phillin	Md.	B.S. 1948, Hobart College Valles, Fred Sylvester	William .
	Md. Va.	Valles, Fred Sylvester	Wvo.
Uhler, Marcus Halder Uhlinger, Percy Edward	D.C.	Valliant, T. Robert	Va.
Uhlinger, Percy Edward Uhrik, Irene Joan	Calif.	Valone, Francis Paul	N.Y.
Uhrik, Irene Joan B.S. 1911		B.S. 1948, Union College	N.Y.
c. '' 1040. Pennsylvania	4 4.	Valone, Jeanne Catherine	IN.I.
Ukrynowski, Granl Axel		A.B. 1945, Mount Holyoke College A.M. 1946, Columbia University	
Ulstek, Henry Thomas A.B. 1047. The George Washington Ulrich, Rashity	D.C	Valei Joseph John	D.C.
A R Henry Thomas	D.C.	Valsi, Joseph John Van Allen, Peter	D.C.
The George Washington		Van Allen. Roland Louis	Va.
Ulrich Dally		Vanatta, Glen	Ohio
A. R. Robert James	Wis.	Van Briggle, Robert Dallas	Mo.
Ulrich, Robert James A.B. 1048. The George Washington Umar, Yassin		Vance, Andrew Peter	D.C.
Cmar Versity		A.B. 1948, Harvard University	D.C.
A B	D.C.	Vance, Catherine Peter	D.C.
Umar, Yassin A B 1944. The George Washington Umluan John B. Umbells und			D.C.
Umhan, John B.		Vance, John Thomas A.B. 1947, Montana State University	
L'ulioltz Will Is	DC.	Vance, William Frank	Ala.
Umsterl Trnest	D.C.	A.B. 1941, Birmingham-Southern Co	
A B. 1048. The George Washington University	Pa.	Vandavere, Georgiana T.	D.C.
		Vandenhere Martin Alousius	D.C.
Underwood, Harry John	200	Vandenberg, Martin Aloysius Vandergrift, Paula	D.C.
Underwood, William Mary	Mich.	Vanderbuden Tou Manua	
inderwood. Harry John Unger, Hod William McLean Uniac, Carlo Unka, Carlo Unkanhola, Willard Clifton	D.C. D.C. D.C.	Vanderhyden, Jay Henry	Va.
Tinh. Carlo	D.C.	Vandermause, Orville Joseph B.S. in Ed. 1941, State Teachers College, White Water, Wis.	D.C.
Unkenholz, Willard Clifton B.M.F. 1948, College of the City	D.C.	College White Water Wit	
1948. College of the Con	N.Y.	Vandamed Task	N.Y.
Unrich New York		Vanderpol, Jack	
Updika Roy Kenneth	Va.	Vanderslice, Clara C. B.S. 1935, State Teachers College,	Pa
Be Merle Louise	37-	Plantabuse Pe	
B.M.E. John S. College of the City of New York Unsicker, Roy Kenneth B.S. in Ed. 1944. Mary Washington Uphoff I.	Va.	Bloomsburg, Pa. VanDeurs, Ann Shepard	Va.
		Van Dawee John	
Chan Juilles Harold	Va.	Van Deusen, John A.B. 1948, Brown University	D.C.
	Conn.		DC
		Van Devander, Evelyn Wood	D.C.
Uranaka 946, University of Maryland	Md.	Van Devanter, James Lee	Md.
B.S. touch Uransky, Norman A. A.B. 1947. Oberlin C. W.	Ohio	Van deWater, Malcolm Stickle Van Diest, Charles Joseph Be	Fla.
Urb. '-'947. Obsel!- O 11	Onio	Van Diest, Charles Joseph Be	Hgrum
Urbanska Thornton	D.C.	B.S. 1948, Sir George Williams College Montreal, Canada	e,
Urbanske, Leo, Jr.	Va.	Van Doremalen, Alice Suzanne	
	·	van sorematen, Aike Suzinne	D.C.

Van Geldaren, Bertha Elizabeth	D.C.	Vazquez, Bernardino Veach, Vivienne Esther Vega, Miguel Elpidio A.B. 1935, LL.B. 1938, University	D.C
A.B. 1946, The George Washington		Veach, Vivienne Esther	Ohio D.C
University		Vega, Miguel Elpidio	D.C
Van Giezen, Christianus A.P.	D.C.	A.B. 1935, LL.B. 1938, University	
Van Gorder, Lewis George	Va.	of Puerto Kico	Md
B.S. 1943, State Teachers College,		Veily, George Grover	Md
Mansheid, Pa,		Velder, Milton Vella, Walter Francis	Calif
Vangtal, Tavon	D.C.	Vella, Walter Francis	Carri
Van Horn, Charles Edgar	Md.	A.B. 1947, University of California	Calif
Vanier, Josef Paul	. D.C.	Vellis, Demetrius John B.S. 1940, United States Naval	
Van Leunen, P., Jr. B.S. 1934, United States Naval	Ohio	Academy	
B.S. 1934, United States Navai		Veltmann, Yvonne Marie	Tex
Van Meter, Ellsworth Evans	Va.	Venezky, David Lester	D.C.
A.B. 1932. Indiana State University	V	B.S. 1948, The George Washington	
Van Meter Mae Krown	Va.	Iniversity	D.C.
B.S. 1931, Madison College		Venezky, Edith Rita Venick, Jacob	Pa.
Van Meter, Marie Frances Miller	III.	Venick, Jacob	D.C.
B.S. 1931, Madison College Van Meter, Marie Frances Miller B.S. in Ed. 1940, University of		Vera Cruz, Caridad Garcia Vernland, Edna Elizabeth	Minn
Alahama		Vernland, Edna Elizabeth	Minn N.Y.
Van Meter, William Garrett	Va.	Vernoff, Samuel Verrill, Walter Jackson Verta, James	3A/1 #1D5
Van Metre, Albert G.	Va.	Verrill, Walter Jackson	N.J.
	Belgium	Vertner, Edmund Kearny, Jr.	Va.
Baccalaureat 1945, Athenne Royal		Veraman Kajia Kyllikki	Dic
D'Izelles, Brussels Vann, Maurine Elizabeth	Md.	Vesamaa, Kaija Kyllikki Vespole, Michael James	D.C. N.Y.
Van Neste, Wilbur Lane	NI	Vest, Larry Woodrow Via, Elmer Guy, Jr. Via, Raymond Bernard Vicino, Dominic Joseph Vick, Billy McGuire	Va
Van Nimwegen, Leonard	N.J. N.J.	Via, Elmer Guy, Jr.	nc
Van Nostrand, Jacqueline Joice	Va.	Via, Raymond Bernard	D.C Va
Van Nostrand, Jacqueline Joice Van Ostrand, Dean Beity	N.Y.	Vicino, Dominic Joseph	Va
B.Ch.E. 1948, Rensselaer Polytechnie	c	Vick, Billy McGuire	Va-
			Va.
Van Riswick, Guy Everett	Va.	Vicory, Howard Morton Vidal, William Put	erto Rice
Van Sanford, Gordon Myron	N.M.	Vidal, William	V8-
Van Schelven, William	Md.	Vier, William Frederick, Jr.	Calli
Van Scoyoc, Gardner Warren	D.C.	Viets, Ronald Lamont Vigness, Helen Anne	Calif.
Van Riswick, Guy Everett Van Sanford, Gordon Myron Van Schelven. William Van Scoyoc, Gardner Warrea Van Sickle, Marilyn Mae Van Sickle, Marilyn Mae Van Sickle, Marilyn Mae	Va.	Vigorosux Lose Ramon Pue	MIO KIN
Van Sickler, Francis Lane A.B. 1933, University of Richmond Van Slyke, James Kermit	V.A.	Vigoreaux, Jose Ramon Viguera, Edward Edwin	D.C.
Van Sluke James Kermit	D.C.	Vijaranabutara, Charnarong	n.C.
Van Staden George Arthur	N.Y.	Villalon, Edward Gonzales	D.C.
Van Staden, George Arthur Van Story, James Cornelius, Jr. A.B. 1948, The George Washington	D.C.	Villargio Oscar Milton	
A.B. 1948. The George Washington		A.B. 1947, The George Washington	
Insversity		University	D.C.
Van Swearingen, Earl Kendall B.S. 1927. United States Naval	Hawaii	Villechaise, Jean Andre	
B.S. 1927. United States Naval		Doctor of Laws, 1946, Sorbonne	-6
Van Tilburg, Kenneth William Van Tol, Peter Hendrik Benjamin	**	University	D.C.
Van Tilburg, Kenneth William	Va.	Villella, Gerald Anthony	Fla.
Van Tol, Peter Hendrik Benjamin	W.Va.	Vincent, Charles Leroy Vincent, Ellalee Fairfax Davis	Va.
VanUitert, LeGrand Gerard Vanzandt, Juanita Seay	D.C.	Vincent, Francis Everett	Va.
Vanzandt, Juanita Seay	Ky. D.C.	Vincent Income was Pairles Lieves	D.C.
Van Zwaren, Anita Varick, Lawrence	N.I.		~
Mr	Va.	RS In Ed. 1946, State Academic	
Vartabedian, Dorothy Margaret Varvaressos, Yvonne Vary, Willis L. Vasil, Michael Vass, Richard Branson	D.C.	College, Millersville, Pa. Vincent, Warren Hubert	Va-
Varyaresson Vyonne	D.C.	Vincent, Warren Hubert	Obic
Vary, Willis L.	Md.	Vinciouerra John Vincent	
Vasil, Michael	Pa.	A.B. 1939, University of Akron	D.C.
Vass, Richard Branson	D.C.	Vinet, Alton Joseph	Va
Vaugnan, Eleanor James	D.C.	Vinkenes, Stanley Charles	Ohio N.Y
RS 1042 University of Maryland	_	Vintila, Mary Jane	Reall
Vaughan, Joseph Harrison	Ky.	Viohl, Geraldine Ann	Va
Vaughan, Joseph Harrison Vaughan, Kenneth Lang Vaughan, Leonard Walton Vaughan, Margaret Ellen	N.Ý.	Viola, Gennaro	
Vaughan, Leonard Walton	Va. D.C.	Violette, John Homer A.B. 1925, Louisiana State University	ity
Vaughan, Margaret Ellen	R.I.	Ph.D. 1931, Yale University	Miss
Vaughn, Ann Virginia	M.L.	Window Frank	Tee.
A.B. 1948, Sweet Briar College	D.C.	B.S. 1927, United States Naval	
Vaughn, Robert Lockard	Ga.	Academy	Md
Vaughter, Swift A.B. 1928, Mercer College	0	Virga, Elizabeth Catherine	V2
	S.C.	Virts, Earl Edward, Jr.	11
B.S. 1945. University of South		Vissering, Victor Manley, Jr.	
0 1			
Carolina		B.S. 1941, Eureka College Vitale, Guy	D.C

Vitale Mint a w			
Vitale, Michael Joseph Vitale, Nicholas Augustine Vitale, Samuel Franchisco	N.J.	Wadman, Alton Justin	Md
Vitale, Samuel Francis	D.C.	BS 1944. Messachusetts Institute	
Vivion, Charles General	Wyo.	Wado, George Vion	Va.
Vivion, Charles George Vicek, Myron I dward B.S.	Oreg.	Wadsworth, Dorothy Mae	Pa.
B.S. 1943. The George Washington	Cick.	Wagatheim, Zel, k	DC
Viet I in George Washington		Wagman, Barlow Jacob Wagman, Donald David	Pa. D.C. D.C.
	Va.	Wagman, Donald David	Mich.
The George Washington		B S 1946, AM 1941, The George Washington University	
Vliet, Mary (1)		Washington University	00
	Va.	Wasman, Evelyn Lucille Wasman, Theodore David	D.C.
Mary College of William and		AB 1919, A.M. 1940, Boston	Mass.
Voelpel Int Ci	711	University	
A.B. 1948. The George Washington	111.	Wagner, Arthur Philip	N.I.
University Vocal		Wayner Carlena Dateura	N.Y.
	DC.	Wagner, Ellinor Jane A B 1040. B S. in Ed. 1941, University of Cincinnati Wagner, Eugene Edward Wagner, Frank C. Jr. Wagner, Harry Large	Ohio
Vogel, Alice Elaine	17.	AB 1940. BS in Ed. 1941, Uni-	
Vogel, Alice Elaine A.B. 1946. Hunter Cellins	N.Y.	versity of Cincinnati	
A M		Wigner, Eugene Edward	Md.
Opel D. Columbia University		Wagner, Frank C. Jr.	Md. DC
	DC.	Wagner, Jean Leona	Va.
Vocel Christian Marvin	D.C	Wayner, John Oliver	Va.
A.B. 1948 University	Calif.	Wanner, John Robert, Ir.	Md.
California Chiversity of Southern		Wagner, Joseph Frank, Jr.	DC.
Vocel, Bertram Marvin Vocel, Christine AB. 1918. University of Southern California Vocel, George Paylos Vogel, Milliago I.	50	Wagner, Joseph Frank, Jr. Wagner, Nancy M A B. 1940, Vassar College	Md.
ORE! Ad:II	D.C.	A.B. 1940, Vassar College	
Voxel Morton Solvyader	Md.	Wagner, Richard	Va.
Vocel Morton Schvader Vocel Ralph Henry	DC.	BS 1027, United States Naval Academy	
Re Ralph Henry	Calif	Wagner, Robert Roderick	N.Y.
Vogel c 1646, Harvard University		AB 1911 Columbia University	24.2.
Voxel Mortan Selvader Voxel Ralph Henry BS 2046, Harvard University Voxel, Seymour	N.Y.	A B. 1941, Columbia University M D. 1946, Yale University	
Pe George Caretan 1-	Ohio	Waeshal, Jerome Stanley	DC.
Vort. Allan Frederick Vorght. Dorothy Cl.	ity	Walifman, Charles	N. A.
Vorght Do-	Md.	Warde, Helen Inez	Va.
) Die to Citistine	Va.	A.B. 1914. Mary Baldwin College A.M. 1941, Columbia University	
	DC.	A W 1941, Columbia University	20
	Md	Wanner, Jack A B 1947. The George Washington University	DC.
	DC	I niversity	
	DC.	Wainstein Leonard	NY
1. 5 D 1933 Linguist	Va.	Write, Niney Jane	D.C.
S. D. 1933. University of Bidapest Von Riden, Mar an Ann Von S. Mader Chandler Lee		Wate, Nancy Jane Wate, Sumner A B. 1911 University of Maine	Va.
Vor S. Istader Character Lee	Wis.	AB 1011 University of Maine	
Vorback Charles Frederick A.B. Ruth Ann	1	We denfeld Amos	D.C.
	DC	Wake Charles Louis	Calif.
AB 1945. AVGed University Volder Bruense, Howard Loseph	DC.	With a half William Didney	DC.
Vorder B. Snith College		Walker old Whilam Robert	Md.
Tosmek Eliver, Howard Joseph	Tenn.	Wakefield Walter Frederick Wakefield William Robert Walbarn Marsonse Harriett Walvott, Shirley Ann	D.C.
Voider Bruerac, Howard Juseph Vosnek, Elizabeth Louise Vicon, Oliver Fu-		BS in Ed 1948, Wilson Jeachers	
Vicom, Oli Alistalio	DC. DC	College	
Vicom, Oliver Evans	DC.	Walden, Jack Tillmon	D.C.
100		BS 1018, Birmir gham-Southern College	ze -
Waalkes, T. Phillip		Walden, Mary Sannders	D.C. W.V.a.
A Phillip		Waldo George Albert Waldron, Carl Martin	Va.
Ph D 1941, Hope College	DC.	Wallron Matte Alice	Va.
A.B. 7. Phillip A.B. 1941, Hope College Ph.D. 1941, Hope College Wack, Richard Francis A.B. Stella Czuba A.B. 1937, Ohio Sana Wack,		Widron Rubard Vernell	III.
Wacker, Stella Czuba Wacker, Stella Czuba Wacker, Stella Czuba	D.C	BS in F1 tots Southern Illinois Normal University	
A.B. Stella Czuba	Md.	Normal University	
A.B. 1937. Ohio State University Wacker, Warren Ernest Waddell, Guy Post	.91(1.	Waldrop, Franc & Veil	Md.
Waddell, Guy Post Waddell, Harold M.	Va.	AB 1916 University of Minnesota	Da
Waddell Hard Post	D.C.	Waldstein Anne Marie	D.C.
	Ga.	Waldstein, Edward	D.C.
Wade, Eugenia F	D.C.	Wales, Charles Porter Wales, Kenneth Sanford, Jr.	Md.
Wad James Char	Tex.	BS 1048 University of Pennsylvania	.410.
Wad Richard Dudge	Va.	B.S. 1048, University of Pennsylvania Wales, Maunida Sue	Va.
Wade, Richard Rudolph Wade, Robert Lee	D.C.	Wales, Robert Oliver	D.C.
Wade, Susiebelle	D.C.	B.S. 1947, The George Washington University	
	Tenn.	University	

Walinsky, Edward Pius	Pa.	Walstrom, Charles Bowen	M
Walker, Alice Elaine	Md.	A.B. 1940, The George Washington	
A.B. 1947, The George Washington		University	50.4
University Walker, Brent Friend	D.C.	Walter, David Eberhardt	Min
Walker, Dale Bryan	N.M.	Walter, Elmer Herman Walter, Joseph Edward	M
Walker, Genevieve Marie	D.C.	BS 1024 University of Maryland	
Walker, Genevieve Marie Walker, George Russell	D.C.	B.S. 1934, University of Maryland Walter, Katharine Miriam	M
Walker, Gerald Cooper Walker, Helen Ruth	D.C.	B.S. 1944, The George Washington	
Walker, Helen Ruth	D.C.	University	
B.S. 1938, Wilson Teachers College Walker, Isabelle Pennington	Ky.	Walter, Richard Henry	D.O
A.B. 1934, Centre College A.M. 1935, Gallaudet College Walker, James Kenneth, Jr. Walker, Jimmie Albert Walker, John Walker, John	my.	Walterick, Eugene Woodrow Walters, Elvin Winfred	P
A.M. 1935, Gallaudet College		Walters, Livin Winfred Walther, Alvin George Walton, Howard Lacy, Jr. Walton, Hugh McKelden B.S. 1942, University of Maryland Walton, June Dahne Walton, Thomas Snyder B.S. 1945, The George Washington	In
Walker, James Kenneth, Jr.	Ohio	Walton, Howard Lacy, Jr.	D.C
Walker, Jimmie Albert	Tex.	Walton, Hugh McKelden	D.C
Walker, John	Md.	B.S. 1942, University of Maryland	p.0
Walker, John C. Walker, John Cusworth III	Md. D.C.	Walton, June Dahne	D.0
A.B. 1048 Duke University	D.C.	Walton, I homas Snyder	Die
Walker, John Gemmell, Ir.	D.C.	Iniversity	
B.S. 1949, Wilson Teachers College Walker, John Robert		University Waltz, Helen Kathryn	D.C
Walker, John Robert	La.	A.B. 1947, Gettysburg College Walworth, Kathleen Ann Wambach, Richard Fidelias, Jr.	Vi
Walker, John Sherrard Brittain, Jr.	D.C.	Walworth, Kathleen Ann	NI
Walker, Kaye Ann Walker, Mark Edward	Tex.	Wambach, Richard Fidelias, Jr.	Man
Walker, Michael Jerald	D.C. N.J.	A.B. 1948, Duke University Wampler, Frederick Francis	VI
Walker, Paul Howard	Miss.	A B 104 Bridgemeter College	
LL.B. 1948, The George Washington		A.B. 1947, Bridgewater College Wamples, Paul Edward, Jr.	N.Y N.Y
University		Wandel, Fred Charles	N.Y
Walker, Peyton Gardner	Va.	Wandel, Marie F. B.S. in Ed. 1941, College of the	10.1
Walker, Pleas Milton	N.Y.	B.S. in Ed. 1941, College of the	
Walker, Russell Louis Walker, Thomas Jefferson	Va. Miss.	City of New York	D.C
Walkinshaw, Walter	Wash.	Wang, David Wang, Hsueh-jeh	Chief
A.B. 1939, University of Washington	8	A.B. 1944, LL.B. 1946, The George	
A.B. 1939, University of Washington Wall, Conrad Grey	Md.	Washington University	20
Wall, Emily Virginia	Wash.		D.C N.Y Pa
A.B. 1941, State College of		Wang, Tseng Fu Want, Dorothy Westerman	Pa
Washington Variable V	DC	Wapinsky, Joseph Francis	SAR!
Wall, Stanley James Wallace, Bernice V.	D.C. Tenn.	Warburton, John Higgins	Md
Wallace, Charles Earl	Tenn.	Ward, Claude Marvin Ward, Clinton Dudley	D.C.
Wallace, Ira Robert	D.C.	Ward, Edward Francis	D.C.
Wallace, James David, Jr. Wallace, John Berry	Ala.	B.S. 1946, The George Washington	
Wallace, John Berry	D.C.	University	2.645.
B.S. 1948, Georgetown University	3.4	Ward, Elbert Hayden	Mass. D.C. D.C.
Wallace, Joseph William, Jr, Wallace, Walter Harold	Mass.	Ward, Glenn Richard	D.C.
A.B. 1935, West Virginia University	Va.	Ward, Harry Joseph	D.C.
Wallack Charles Frank	_Va.	Ward, Jerry John	Va.
Wallack, Charles Frank Waller, Lloyd Arthur	D.C	Ward, John Wesley	wild.
VY ALLEY, VY III I AM VY ALTERI	D.C.	Ward, John Wesley Ward, Laura Mae	D.C.
Wallerstein, David Daniel	N.Y. W.Va.	Wand David Andrew	Di
Walley, George, Jr. Wallick, Robert Daniel		A.B. 1938, Municipal University of	
Wallick, Robert Daniel	D.C.	Umaha	D.C. D.C.
B.S. in E.E. 1948, Lehigh University Walls, Edward Lowery, Jr.	Mo.	Ward, Thomas Joseph	D.C.
Walls, Lois A.	Pa.	Warden, Burdett Stryker, Jr. Wardlaw, Gladys Anne	Va.
Walsh, David Arthur	D.C.	Wardrip, Schuyler Clark	Va
Walsh, Francis Joseph	Mana.	Wardwell, Alice Gerda	
Walsh, Francis Joseph A.B. 1936, LL.B. 1939, Harvard		A.B. 1047. Pembroke College	Vs.
University		Ware, Anne Kriete	Ky.
Walsh, George Joseph	Va.	Ware Economy I as	. 01-
Walsh, James Franklin B.S. 1946, University of Illinois	D.C.	A R 1040 University of Louisvers	W.V.
B.S. 1946, University of Illinois Walsh, Jane Angela Walsh, Josephine Ann	DC	Ware, Keith Eugene	D.C.
Walsh Inserhine Ann	D.C. D.C.	Ware, Robert Stephens Warfel, Robert James	Va.
Walsh, Josephine Ann Walsh, Walter Rudolph Walsh, William F.	Va.	Warfield, Richard Myers	D.C. Va. D.C.
Walsh, William F.	D.C.	Warford, Mildred	D.C.
D.S. 1945, Georgetown University		Warick, Lawrence John	Md
Walstein, Carl John	Va.	Waring, Richard Burleigh	

West: 1			
Warlick, Glenard Lee	Md.	Watson, Donald Taylor	N.Y
B.S. 1936, Appalachian State Teachers College, N.C. Warlick, James Bowen Watmack, William Davies		B.S. 1941, New York State Teacher	8
Warlick, James R.		College	
Waimack, William Davies Wainer, Brainard Henry III	D.C.	Watson, Eleanor Jane	D.C
Watner, Brainard Henry III B.E.E. 1946, Yale University Warner, Constance Philpitt Warner, Constance Philpitt Warner, Donald Gifford	DC. Md.	Watson, James Edwin	W.Va
Wassell 1946, Yale University	Mid.	A.B. 1941, Colgate University Watson, John A.	DC
Warner, Constance Philpitt	D.C.	Watson John Salley	D.C D.C
Warner, Denra Wallace	DC.	Watson, Pamelia Helen	Va
Warner, Donald Gifford Warner Gerald Lee	Md.	Watson, Philys Anne	D.C
Warney	D.C.	Watson, Richard	Pa
Warner, John William Warner, Philip Lambert Warner, Philip Lambert Warner, Philip Lambert Warner, Philip Lambert	D.C.	B.S. 1940, Washington and Jefferso	10.
Warner, John William	DC	College	
A Philip Lambers	D.C.	A.M. 1941, University of Chicago Watson, Richard Armistead	Va
A.B. 1948. American University Warner, William Claftin Warren, Howard Fances	94.	Watson, Robert	D.C.
Warren, Howard Eanes Warren, James Gates	Md.	Watson, Vera Virginia Watson, Virginia Watt. William Alexander	Va.
rairen la	N.C.	Watson, Virginia	Wis.
Warren, James Rose	D.C.	Watt, William Alexander	Va.
Warren, James Ross Warren, Joan Shirley Warren, Marguerite Elizabeth Warren, Mary Lois Warren, Mary Lois		Watta, Byron C. A.B. 1949. The George Washington University	D.C.
Warren, Joan Shirley	DC.	A.B. 1949, The George Washington	
Warren, Marguerite Fligshook	D.C.	Wasse Frank Reniamin	Mich.
Warren, Mary Lois	D.C. Ala.	Watts Green Dean	Ohio
	DC.	Watts, Frank Benjamin Watts, Greer Dean Watts, Holt Fairfield Butt, Jr. Watts, Nancy Thompson B.S. 1040, Winthrop College	Va.
Warren, Virginia Caroline Warren, Virginia Nesbitt Warren, William Wallace Warrick, Annette	Pa.	Watts, Nancy Thompson	S.C.
Warren William Nesbitt	1'-	B.S. 1940, Winthrop College	
Warrick, Annette Warrick, Helen Warthen, Sibul M.	D.C.	Waugh, Carolyn Lydia Waugh, Perry Eugene	Maine
Warrick, Helen	DC	Waugh, Perry Lugene	N.Y.
Warthen, Sibyl Mary Wartofsky, Marilyn	D.C.	Waxman, Morris Waxman, Seymour	N.Y.
	D.C.	Way, Joseph Dale	Pa.
	DC. DC. D.C. D.C.	Wayland, Clarence Raymond	D.C.
Wasdin, James Raymond Washington, Fielding Land	D.C.	Ways, Douglas Arthur	W.Va
Washington E. Raymond	Md.	Weasmer, Charles Brent	D.C.
	Va.	Weatherly, Norma Pearl Weathers, Milledge Wright	Va.
Washington, Fielding Lewis Washington, Fielding Lewis Washington, James William Washington, James William Washington, Dan Augustine Washer Dan Augustine Washer Dan JStephen	N.J.	Weathers, Milledge Wright	Ga.
Washington, John Autre College		Weaver, Douglas Price	Town
Washom, Paul Stephen Wasser, Prances Rothbare	Va.	A.B. 1048. The George Washington University	
	Md.	Weaver Frank Lloyd, Ir.	Md.
A.B. 1947. The George Washington	D.C.	Weaver, Frank Lloyd, Jr. A.B. 1947, The George Washington	
Waterman, Selma Waterman, Selma Waterman, Selma Waterman, Selma			
Watanabe, Kashi	D.C.	Weaver, Gilbert Earl A.B. 1947, Lenoir-Rhyne College	D.C.
MAB. 1948, University of Hawaii Waterman, Rich Leeman Waterman, Ruth Abigail	Hawaii	A.B. 1947, Lenoir-Rhyne College	NIV
by cerman Rich ! Plawati		Weaver, Fatricia Ann	N.Y. D.C.
Waternan, Rich Leeman Waternan, Ruth Abigail Waters, Ethel Davis	D.C.	Weaver, Paul Elwood B.S. 1948, United States Military	D.C.
Was stilled Danis	D.C. Va.	Academy	
Waters, George Francis Waters, George Leonard Waters, Patricia May	Va.	Weaver, Rosemary Annette	D.C.
Waters, George Leonard Waters, Patricia May Waters, Raymond Joseph	KII.	Weaver, Roxane Beverly	Mass.
Waters, Patricia May Waters, Raymond Joseph B.S.	Md.	Webb, Claude Anderson	Va.
P. William Joseph	N.Y.	Webb, Donald James	Wyo.
Waters, Raymond Joseph Waters, William Jonas, Jr. B.S. 1991. Appalachian State Teach Waten, Bernard D. Wathen, Bernard D. A.B. 1002 pp.	Va.	Webb, George Jerome Webb, Henry Gorham	Fla.
Wathen North Canalin State Teach	hers	Webb. Henry Gorham	N.C.
Wathen Hernard D. Carolina	200	B.S. 1918, University of North	
Wathen, Rosa Lee	D.C.	Carolina Webb, Jack Bassett	Maine
western Marviand Ilnim	Md.	A.B. 1048. University of Kansas	
Watking Hareland Foster	Md.	Webb, Joseph Coates	D.C.
A.B. 1904. Western Maryland Universities, Cleveland Foster Watkins, Cleveland Foster Watkins, Harold Stanley Watkins, Pennie James Edward Watkins, Pennie Jane Watkins, William Henry B.S. 1988.		A.B. 1948, University of Kansas Webb. Joseph Coates A.B. 1948, The George Washington	
Wastins, Persia Loward	D.C.	Interesty	DO
Watking Phillip Louis	D.C	Webb. Innius McBryde	D.C.
Watkins, William Henry Watkins, William Henry Watkins, Wei University of Markins	D.C.	Webb. Innius McBryde Webb. Kenneth William Webb. Lois Neuhaus	D.C.
Watkins, Will: University of Maryland	D.C.	Webb Margarette WahNiTaha	D.C.
B.S. 1940. University of Maryland Watkins, William Tatum Watson, Beulah Elizabeth	Fla.	Webb, Margarette WahNiTabe Webb, Richard William A.B. 1947. The George Washington	Conn.
II. Bruce Parizabeth		A.B. 1947, The George Washington	
Watson, Beulah Elizabeth LLB, Bruce Parish	D.C.	University	
Waternity George Washington	l.	Webb, Ruth	D.C.
Watson, Charles Roger, Jr. A.B. 1938, Princeton University		A.B. 1014, A.M. 1016, The George	
A.B. 1938, Princeton University	N.J.	Washington University Webber, James Everett	D.C.
- minusity		Webber, James Everett	Dil.

		*** 1 1 10 1 1 1 1 7 1 .	NY
Webber, Marjorie H.	Va.	Weingrad, Richard Herbert	NNON
B.S. in Ed. 1942, Mary Washington		Weingrad, Shirley Hanna	D.C
College		Weinman, Madelyn Gayle	N.Y
Webber, Ruth Rebecca Weber, David Joseph	Fla.	Weinshank, Herbert Seymour	DC
Weber, David Joseph	D.C.	Weinstein, Allen	DU
Weber, Edward Robert	Wis.	Weinstein, Evelyn	
Weber, Edward Robert B.S., 1940, Wisconsin State Teachers College, LaCrosse	8	Weinstein, Evelyn B.S. 1946, University of Maryland Weinstein, Harriet F.	Oho
College, LaCrosse			D.C
B.B.A. 1948, University of Wisconsin	i.	Weinstein, Harvey Harold	DU
Weber, Harry	IN. I.	Weinstein, Rebecca Ruth	
Wahar Paul	D.C.	B.S. 1928, University of Illinois	
B.S. 1947. The George Washington		M.S. 1937. University of Southern	
University		California	
Weber, Paul Jones	D.C.	Ed.D. 1942, New York University	D.C
Weber, Paul Jones Weber, William John	D.C.	Weinstein, Robert Earl	D.C
Webster, Ann Harrison	Va.	Weinstein, Sherman	D.C
Webster, Ann Harrison A.B. 1945, University of North		Weintraub, Leo	D.C. D.C. V.C. D
Carolina		Weintraub, Leo Martin	D.C
Webster, Clark Gibbons Webster, Edward	Md.	Weintraub, William Chodoff	D.C
Webster, Edward	D.C.	Weir, Colin Harden	Va
B.S. 1942. University of Maryland Webster, Frances Lee Webster, John Mark		Weir, Ellen Lunsford	D.C
Webster, Frances Lee	D.C.	Weir, John D. Weir, William Thomas, Jr.	Ohr
Webster, John Mark	D.C.	Weir, William I homas, Jr.	D.C
B.S. 1942, University of Minnesota		Weirick, John Thomas	D.C.
B.S. 1942. University of Minnesota LL.B. 1947. The George Washington	1	Weisbach, Louis II.	Md
University		Weise, Allen Gardner	
Webses Isselle United	W.Va.	B.S. 1948, The George Washington	
A.B. 1927, Wilson College Webster, Nola Joyce Weddle, Rheba Verille Weden, Philip Zachary Wedge, John William, Jr.	900	University	D.C
Webster, Nola Joyca	Kans.	Weise, Ernest Lyman	
Weddle, Rheba Verille	Va.	B.S. 1038, The George Washington	
Wedeen, Philip Zachary	N.Y.	University	Va
Wedge, John William, Jr.	Nev.	Weiser, Frank Robert Weiss, Kenneth Floyd	Md
Wedler, Arthur, Jr.	Ind.	Weiss, Kenneth Floyd	V2
Wedler, Arthur, Jr. Wedoeworth, May	Md.	Weiss, Marjorie Louise	
A.B. 1928. The George Washington		A.B. 1944, University of Michigan Weiss, Marvin David	D.C. P.C. D.C. D.C.
University	201	Weiss, Marvin David	13
Weeder, Gilbert Louis	Md.	Weiss, Norman Redelin	D.L
Weekly, Glen Edwin Weeks, Gladys Evelyn	W.Va.	Weiss, Peter Josef	D.C
Weeks, Gladys Evelyn	D.C.	Weiss, Samuel	D.L
B.S. 1048, The George Washington		Weiss, Sidney	
Weeks, Harold Eugene		B.B.A. 1942, College of the City of New York	. 97
Weeks, Harold Eugene	N.Y.	Of Ivem Aour	N.Y
Weeks, John Dwight	D.C.	Weiss, William	
Weeks, Farout Edgene Weeks, John Dwight Weeks, Mary Charlotte A.B. 1942, Madison College Wegrowicz, Irena Paulina Wegznek, Chester George Waheli Arthur	Va.	A.B. 1948. The George Washington	
A.B. 1942, Madison College		University	DY
Wegrowicz, Irena Paulina	Poland	Weissinger, Phyllis Bate Weissman, Milton	Ni
Wegznek, Chester George	D.C.	Weissman, Milton	- 0
	Va.	B.Ch.E. 1919, New York University	p.C.
	D.C.	Weissmann, Max Ludwig	
Weigand, Robert Joseph Weigand, William Warren Weigester, Nancy Jane A.B. 1945, University of California at Los Angeles	N.Y.	Weitzel, Elizabeth M.	Md
Weigand, William Warren	D.C	Weitzel, James Russell	D.C
Weigester, Nancy Jane	Calif.	Weitzman, Mary Cohen	Conn Calif N.Y
A.B. 1945, University of California		Welborn, Grover Eugene, Jr.	Di
at Los Angeles	9.5	Welch, Arthur Stellhorn Welch, Clarence Frederick	Call
Weigle, Stephen Albert		Welch, Clarence Frederick	N. 1.
Weigle, Stephen Albert Weil, Elaine Phyllis A.B. 1946, University of Richmond Weiler, Harold Frederick	Va.	Walch Flizabeth Churchill	
A.B. 1946, University of Richmond		T.B. 1945, The George Wallingson	-5
Weiler, Harold Frederick	Va.	University	D.C.
B.S. 1931, Randolph-Macon College	241	Welch. George	Die
B.S. 1931, Randolph-Macon College Weimer, David Blair	Md	Welch, Mary Catherine	
Weimer, William Hilson	Pa.	A.B. 1947, Pennsylvania State	274
Weinberger, Elias	N.Y.	College	Va
Weinberger, George	Va.	Weld, Dorothy Anne	Ohic
Weiner, Alexander	Md.	Weldy, Pauline	Calif
Weiner Eleanor	D.C.	Wellborn, Charles, Jr. B.S. 1920, United States Naval	
Weiner, Wolford Harris	N.Y.	B.S. 1920, United States Naval	- 41
A.B. 1940, University of Mississippi		Academy	Md
LL.B. 1948, The George Washington		Wellford, Mary Jean A.B. 1948, Randolph-Macon Women's	
University		A.B. 1948, Randolph-Macon Women	974
Weingarten, Hyman	NY.	College	Va
Weinger, Simon Jacob	D.C.	Wallinger Pearl Brittingham	
A.B. 1948, The George Washington		A.B. 1931. Western Maryland	
University		College	

M. S. 1042, Harvard University Wellington, Benjamin Wellington, Wellington Wellington, Wanne Eugene Wellington, Benjamin Wellington, Wellington Wellington, Lipiden Wellington, Wellington Wellington, Wellington Wellington, Wellington Wel	\$17_tre			
Academy, Onted States Naval M.S. 1044, Harvard University Wellington, Benjamin Webber A.B. 1031, Brown University Wellington, Pereix Wellington, Wellington West, Jack Burlington West, Jack Jack Burlington West, Jack Burlington West, Jack Burlington West, Jack Burlington West, Jack Jack Jack Burlington West, Jack Jack Jack Burlington West, Jack Jack Jack Jack Jack Jack Jack Jack	R.C. Albert Aloysius	Va.	West, Genevieve Lillian	N.Y.
M.S. 1942. Harvard University Wellington, Benjamin Wellington, Benjamin Wellington, Marion Webber A.B. 1931. Erown University Wellington, Peretz Wellman, Uloyd Carl Wellington, Freezie Wellman, Uloyd Carl Wellington, Freezie Wellington, Did Carlos Wellington, Freezie Wellington, Did Carlos Wellington, Freezie Wellington, Did Carlos Wellington, Freezie Wellington, Wellington, Wellington, Freezie Wellington, Freezie Wellington, Freezie Wellington, Freezie Wellington, Freezie Wellington, Wellington, Freezie Well	1 1932, United States Nava			Md.
West, 1911, Brown University Williamon, Peretz Wellman, Lloyd Carl Wellman, Lloyd Carl Well, Clinton Fisk, Jr. Wellman, Lloyd Carl Well, Clinton Fisk, Jr. Well, Clinton Fisk, Jr. Well, Elmund John, Jr. Well, Mell, Erank Hugh Well, Well, Erank Jefferson B.S. 1938, University of Maryland Well, Well, Marie William Well, Well, Marie William Well, Well, Marie William Well, Well, Mary Kathleen Well, James William Well, James William Well, Well, James William Well, James William Well, James William Well, Well, James William Wester William Jr. Wester Well, James William Wester William Jr. Wester Well, James William Wester William We	M.S. 1042 II.			Md.
Welliam, Lloyd Carl Welliam, Wayne Eugene Welliam, Lloyd Carl Welliam, Lloyd Carl Welliam, Wayne Eugene Welliam, Lloyd Carl We	Wellington Reniarian University	D 0	West, Glen Leroy	D.C.
Welliam, Lloyd Carl Welliam, Wayne Eugene Welliam, Lloyd Carl Welliam, Lloyd Carl Welliam, Wayne Eugene Welliam, Lloyd Carl We	Wellington, Marion Walth		West, Jack Burlington	Ga.
wellman, Lloyd Carl Wellan, Clinton Fisk, Ir. Wellas, Clinton Fisk, Ir. Wellas, Clinton Fisk, Ir. Wells, Edmund John, Jr. Wells, Edmund John, Jr. Wells, Edmund John, Jr. Wells, Frank Hugh Wells, Frank Hugh Wells, Heydon Forbes B.S. 1938, University Wells, Merry William Stewart Wells, Rebecca Roe Wells, William Stewart Wells, James Joseph Wells, James Joseph Wells, Mary Kathleen Wells, William Fred Wells, William Fred Wender, William Fred Wender, William Fred Wender, William Fred Wenner, William Fred Wenner, William Fred Wenner, Ruth Glass Wenner		va.	West, James Peterson	Calif.
Wellman, Wayne Eugene Wells, Clinton Fisk, Jr. B.S. 1948, University of Maryland Wells, Edmund John, Jr. Wells, Edmund John, Jr. Wells, Edmund John, Jr. Wells, Edmund John, Jr. Wells, Frank Hugh Mells, Edmund John, Jr. Wells, Frank Hugh Jr. Wells, Hardon Forbes B.S. 1948, United States Naval Wells, Morris William Wells, William Stewart Wells, Morris William Wells, William Stewart Wells, Richard Glenn Wells, William Stewart Wells, Richard Glenn Wells, William Stewart Wells, Indeed Wells, Indeed Wells, Wells, Indeed	Wellington, Peretz	1'0	West, Jessie Lee	N.C.
Wells, Cit. Nayne Eugene B.S. 1948. University of Maryland Wells, Elsood C. Chino Fisk, Jr. Wells, Elsood C. Chino Fisk, Jr. Wells, Elsood C. Chino Mills Frank Hugh Wells, Elsood C. Chino Mills, Frank Hugh Wells, Heydon Forbes B.S. 1940. The George Washington University West, Marian Pickford University West, Marian Pickford West, Raish Alian Wells, Rebecca Ree Wells, Richard Gene Wells, William Flavery Welds, Historia William M. Mid. Wells, William Flavery Welds, James Joseph B.S. 1940. The George Washington University West, Marian Pickford West, Raish Alian West, Sally Frances B.S. 1940. The George Washington University West, Marian Pickford West, William Flaver West, William Flaver D.C. West, Marian Pickford West, Sally Frances B.S. 1940. West, William Paul West, West, William Paul West, William	Wellman, Lloyd Carl	DC	College N.C.	CIS
B.S. 1948. University of Maryland Wells, Edward Colons, Jr. Wells, Edward C. Ohio D.C. Wells, Frank Jefferson Wells, Frank Jefferson Wells, Frank Jefferson Wells, Frank Jefferson W.D. B.S. 1940. United States Naval Wells, Morris William Mewart D.C. Wells, Maryland Wells, William Stewart D.C. Wells, Frank Jefferson W. Wells, Milliam Stewart D.C. Wells, James William Stewart D.C. Westbrook, Robert Joseph N. Westbrook, Robert Joseph N. Westbrook, William Hughes Westwilliam Wells, William Stewart D.C. Westbrook, William Hughes Westcott, George Godfrey N. Westcott, Raymond Arthur Westermann, Harland Walter Wester	Wells Wayne Eugene	DC	West Luther Charles	Ala.
Wells, Edmund John, Jr. Wells, Frank Hugh Wells, Morris William Wells, Roberts William Wells, Fletcher Harvey Wells, Fletcher Harvey D.C. Wells, Fletcher Harvey Wells, Fletcher Harvey Wells, James Joseph Pa. S. 1948, Mount St. Mary's West, Malliam Hughes West, William Hughes West, Walliam Hughes West, West, William Hughes West, West, William Hughes West, Marian Pickford West, Marian Pickford West, West, West, West, West, West, West, West, Marian Pickford West, West, West, West, West, West, West, West, M	BS Clinton Fisk, Jr.	Md.	A.B. 1948. Birmingham-Southern	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
weils, Frank Jefferson wells, Heydon Forbes B.S. 1938, United States Naval West, Marian Pickford N.D. West, Marian Pickford West, Raiph Alan West, Raiph Alan West, William Paul West, William Paul West, William Paul West, William Royster West, Fletcher Harvey Welsh, James Stewart D.C. Westbrook, Robert Joseph B.S. 1948, Mount St. Md. Westbrook, William Plughes Westcott, Raymond Arthur My Westerveld, Louis David Westerveld, Louis David Westerveld, Louis David Westerveld, Louis David Westervelt, Frederic Ballard, Jr. Westervelt, Frederic Ballard, Jr. Westman, Harland Walter Westervelt, Frederic Ballard, Jr. Westmore, Robert Norman, Jr. Westmore, Robert Norman, Jr. Westmore, William Furel Westmore, William Milliam Jewell Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Milliam Jewell Westmore, William Furel Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Furel Westmore, Milliam Jewell Westmore, William Furel Westmore, William Fureles, Jr. Westmore, Robert Norman, Jr. Westmore, William Fureles, Jr. Westmore, Allo Livingston Westmore, William Fureles, Jr. Westmore, William Fureles, Jr. Westmore, Japa, Occidental College Westmore,	Wella Ed48, University of Maryland		College	
weils, Frank Jefferson wells, Heydon Forbes B.S. 1938, United States Naval West, Marian Pickford N.D. West, Marian Pickford West, Raiph Alan West, Raiph Alan West, William Paul West, William Paul West, William Paul West, William Royster West, Fletcher Harvey Welsh, James Stewart D.C. Westbrook, Robert Joseph B.S. 1948, Mount St. Md. Westbrook, William Plughes Westcott, Raymond Arthur My Westerveld, Louis David Westerveld, Louis David Westerveld, Louis David Westerveld, Louis David Westervelt, Frederic Ballard, Jr. Westervelt, Frederic Ballard, Jr. Westman, Harland Walter Westervelt, Frederic Ballard, Jr. Westmore, Robert Norman, Jr. Westmore, Robert Norman, Jr. Westmore, William Furel Westmore, William Milliam Jewell Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Milliam Jewell Westmore, William Furel Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Furel Westmore, Milliam Jewell Westmore, William Furel Westmore, William Fureles, Jr. Westmore, Robert Norman, Jr. Westmore, William Fureles, Jr. Westmore, Allo Livingston Westmore, William Fureles, Jr. Westmore, William Fureles, Jr. Westmore, Japa, Occidental College Westmore,	Wells, Ellwood John, Jr.	D.C.	West, Marc Lee	D.C.
weils, Frank Jefferson wells, Heydon Forbes B.S. 1938, United States Naval West, Marian Pickford N.D. West, Marian Pickford West, Raiph Alan West, Raiph Alan West, William Paul West, William Paul West, William Paul West, William Royster West, Fletcher Harvey Welsh, James Stewart D.C. Westbrook, Robert Joseph B.S. 1948, Mount St. Md. Westbrook, William Plughes Westcott, Raymond Arthur My Westerveld, Louis David Westerveld, Louis David Westerveld, Louis David Westerveld, Louis David Westervelt, Frederic Ballard, Jr. Westervelt, Frederic Ballard, Jr. Westman, Harland Walter Westervelt, Frederic Ballard, Jr. Westmore, Robert Norman, Jr. Westmore, Robert Norman, Jr. Westmore, William Furel Westmore, William Milliam Jewell Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Milliam Jewell Westmore, William Furel Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Milliam Westmore, William Furel Westmore, William Furel Westmore, Milliam Jewell Westmore, William Furel Westmore, William Fureles, Jr. Westmore, Robert Norman, Jr. Westmore, William Fureles, Jr. Westmore, Allo Livingston Westmore, William Fureles, Jr. Westmore, William Fureles, Jr. Westmore, Japa, Occidental College Westmore,	Wells, Frank U.	Ohio	B.S. 1940, The George Washington	1
B.S. 1938, United States Naval Wells, Rebecca Roe Wells, Rebecca Roe Wells, William Stewart Welch, Fletcher Harvey Welch, James Joseph B.S. 1948, Mount St. Mary's Welch, James Joseph Welsh, James Joseph Welsh, James William Welsh, Thomas William, Jr. Welsh, Thomas William, Jr. Welty, Ruth Aenew Welsh, Thomas William, Jr. Welty, Ruth Aenew Welsh, Walter Wilfred, Jr. Wendil, Raddemar Frederick B.S. 1933, University of Oklahoma Wending, Andre Georges Wending, Andre Georges Wending, Andre George Wender, William Fred Wender, Feirland Henry Wending, Andre George Wender, William Fred Wender, William Fred Wender, Feirland Welter Wender, William Hughes Westcott, Raymond Arthur Westerveld, Louis David Westerveld, Louis David Westerveld, Frederic Ballard, Jr. Westmoreland, William Hughes Westerveld, Louis David Westervelt, Frederic Ballard, Jr. Westmoreland, William Jr		4 4154	University	
Academy Wells, Morris William Wells, Morris William Wells, Morris William Wells, Richard Glenn Wells, Richard Glenn Welch, Fletcher Harvey Welch, Fletcher Harvey Welch, Fletcher Harvey Welch, Immes Joseph B.S. 1948, Mount Sc. Mary's Wordlege Welch James Joseph Welsh, James William Welth, Immes William Welty, Ruth Aenew Welth, Immes William Welth, Immes Welther Welth Welther Welther Body Welth, Immes William Welth, Immes Welther	Wells, Heydon Forbes	D.C.	West, Marian Picklord	Va.
Wells, Morris William Wells, Richard Glenn Md. West, William Stewart D.C. Westbook, Robert Joseph N. Welts, William Stewart D.C. Westbrook, Robert Joseph N. Westbook, William Hughes N. Westbook, Robert Joseph N. Westbook, Westbook, Westbook, Westbook, Westbook, Westbook, Robert Joseph N. Westbook, Westbook, Westbook, Westbook, Westbook, Robert Joseph N. Westbook, Westbook, Westbook, Robert Joseph N. Westbook, Robert Joseph N. Westbook, Westbook, Robert Joseph N. Westbook, Westboo	B.S. 1918, United States Naval	N.D.	West, Kalph Alan	D.C.
West, Sitchard Glenn Wels, William Stewart Welch, Fletcher Harvey Beh, James Joseph Beh, James William Weth, John Albert Welch, Hary Kathleen Welch, Thomas William Welty, Ruth Beh, John Albert Wending, Andre Georges Wend, Waldemar Frederick Beh, John Albota AB, John Alb	Wells 14		RS in Ed 1020 Wilson Teacher	۵.۷.
west, withard Glenn wels, William Stewart Welch, Fletcher Harvey Beh, James Joseph Bes. 1948, Mount Se. Mary's Weth, John Albert Welsh, James William Weth, John Albert Welsh, Thomas William Welth, Thomas William Welty, Ruth E. Welty, Ruth E. West, Walter Wilfred, Jr. Wendling, Andre Georges Wendling, Andre Georges Wendling, Andre Georges Wendling, Andre George Wendling, Andre Georges Wendling, Andre George Wenner, Evelyn Wingate A.B. 1932, University of Walter Wenner, Evelyn Wingate A.B. 1942, University of South Wendle, William Hughes Westcott, Reymond Arthur Westerwell, Frederic Ballard, Jr. Westerman, Harland Walter Westerwell, Frederic Ballard, Jr. Westmore, Robert Korman, Jr. Westmore, Robert Korman, Jr. Westmore, Robert Joseph No. Wes	Wells Morris William	Md	College	9
wells, William Stewart Welch, Fletcher Harver Welch, James Joseph B.S. 1948, Mount Se. Mary's Welchles Worker Welch, James William Welch, James William Welth, James William Welth, James William, Jr. Welth, Mary Kathleen Welch, Mary Kathleen Welch, Homas William, Jr. Welty, Ruth Arnew Wester, Arney Wester, Mary Starr Welth, James William Jerewill James Welter, Arluth Adrian Welty, Ruth Arnew Wester, Arney Wester, Mary Starr Wheeler, Arluth Adrian Welty, Ruth Arnew Welty, Ruth Arnew Welty, Ruth Arnew Welty, Ruth Arnew Wester, Mary Starr Welton, Joseph Maurice A.B. 1938, Doolders Liord Welton, Joseph Maurice A.B. 1938, University of Wisconsin Welty, Ruth Arnew Welty, Ruth Arnew Welty, Ruth Arnew Wester, Arluth Ardiral Merty Wheeler, Richard Murray Wheeler, Nary Robb Welter, Violette Niederhauser Wheeler, Jane Welty, Ruth Arlund Welty, Mary Vieginia Welty, Mary V			West, William Paul	Va.
Welch, Fletcher Harvey Welsh, James Joseph B.S. 1948, Mount Se. Mary's Welsh, James Joseph B.S. 1948, Mount Se. Mary's Welsh, James William Welsh, James William Welsh, James William Welsh, John Albert Welsh, James William Welsh, John Albert Welsh, Thomas William Welty, Ruth E. Welz, Walter Wilfred, Jr. West, Walter Wilfred, Jr. Wendling, Andre Georges Wend, Waldemar Frederick B.S. 1943, University Wend, Carl Morton A.B. 1942, University of South Wenger, William Fired Wenner, Edward George Wenner, Edward George Wenner, Leuche Bard A.B. 1942, University of South Wenner, William Fired Wenner, William Fired Wenner, William Fired Wenner, Frederick Lloyd A.B. 1936, Occidental College Wenner, Ruth Glass Wenner, Ruth Glass Wenner, Frederick Lloyd A.B. 1938, Brooklyn College Wenner, Frederick Lloyd A.B. 1938, Brooklyn College Went, Harold J Wert, Thomas Frederick, Jr. Werthelm, David Seymour Werthelm, David Seymour West, Harold J West, Alberta Anne West, Alberta Anne West, Alberta Anne Wenner, Robert Glenn West, Alberta Anne West, A	Well. String Olenn	Md.	West, William Royster	Va.
Westbrook, William Hubbes B.S. 1948, Mount St. Mary's College Westcott, George Godfrey Westcott, Raymond Arthur Westerwaln, Louis David Westerveld, Louis David Westerveld, Louis David Westerveld, Louis David Westerveld, Louis David Westervelt, Frederic Ballard, Jr. Westly, Ruth Aenee Va. Westworeland, William Jr. Westmoreland, William Jewell Westmore, Robert Norman, Jr. Westmore, Robert Norman, Jr. Westmore, Robert Norman, Jr. Westmoreland, William Jewell Westmore, Robert Sorman, Jr. Westmoreland, William Jewell Westmore, Robert Sorman, Jr. Westmoreland, William Jewell Westmore, Robert Sorman, Jr. Westmore, Robert Sorman, Jr. Westmore, Robert Sorman, Jr. Westmore, Robert Salard, Jr. Westmore, Robert Sorman, Jr. Westmore, William Fewell Westmore, William Fewell Westmore, William Fewell Westmore, William Fewell Westmore, Robert Sorman, Jr. Westmore, Robert Salard, Jr. Westmore, William Fewell Westmore, Robert Salard, Jr. Westmore, William Fewell Westmore, Robert Salard, Jr. Westmore, Robert Salard, Jr. Westmore, Robert Salard, Jr. Westmore, Robert Salard, Jr. Westmore, Paireland Henry Westmore, William Fewell Westmore, W	Walat Stewart	DC.	Westbrook, Robert Joseph	N.Y
B.S. 1948, Mount Se. Mary's College Wesh, James William Welsh, John Albert Welsh, John Albert Welsh, Thomas William Welty, Ruth E Welz, Walter Wilfred, Jr. Wendell, Elizabeth Mary Wendling, Andre George Wendling, Andre Georges Wendl, Cast Morton A.B. 1947, A M Wend, Cast Morton A.B. 1947, A M Wender, Cast Morton A.B. 1947, A M Wender, Wend, Cast Morton A.B. 1947, A M Wender, Wend, Cast Morton A.B. 1948, Wend,	Welsh, James losesh	DC.	Westbrook, William Hughes	Pa.
Welsh, John Albert Welsh, Mary Kathleen Westervelt, Frederick B.S. 1940, University of Oklahoma Westmoreland, William Jewell Westmo	B.S. 1049 hg	Pa.		NY.
Welsh, John Albert Welsh, Mary Kathleen Welsh, Mary Kathleen Welsh, Mary Kathleen Welty, Ruth Army Wendell, Elizabeth Mary Westlore, Robert Norman, Jr. Westmoreland, William Jewell Westmore, Robert Norman, Jr. Westmoreland, William Jewell Westmoreland, William Jewell Westmoreland, William Jewell Westmore, Robert Norman, Jr. Westmoreland, William Jewell Westmorelan	Wal College		Westcott, Raymond Arthur	Minn.
Welsh, Mary Kathleen Welsh, Thomas William, Jr. Welsh, Thomas William, Jr. Welty, Ruth Agnew Welty, Ruth Agnew Welty, Ruth E Welz, Walter Wilfred, Jr. Wendell, Elizabeth Mary Wendling, Andre Georges Wendt, Waldemar Frederick B.S. 1943, University Wendt, Carl Morton A.B. 1947, AM 1939, University Wendt, Lucile Bard A.B. 1942, AM 1939, University Wenger, Edward George Wenner, Edward George Wenner, Edward George Wenner, Evelyn Wingate A.B. 1947, St. John's College A.B. 1947, St. John's College A.B. 1947, St. John's College Wenner, Frederick Llord Wenner, Frederick Llord Wenner, Ruth Glass Wenner, Ruth Glass Wenner, Ruth Glass Wenner, Ruth Glass Wenner, Frederick Llord A.B. 1938, Brooklyn College Wenner, Thomas Frederick, Jr. Wettenbruch, Mary Claire Wenter, Thomas Frederick, Jr. Wettenbruch, Mary Claire Wenter, Thomas Frederick, Jr. Wettenbruch Mary Claire Wenter, Thomas Frederick, Jr. Wetter, Thomas Frederick, Jr. Wettenbruch, Mary Claire Wenter, Thomas Frederick, Jr. Wettenbruch, Mary Claire Wenter, Thomas Frederick, Jr. Wettenbruch Mary Claire West, Alexander Lordshan West, Alexa	Welsh, James William	Ter	Westermann, Harland Walter	D.C
Weity, Ruth Agnew Weity, Ruth E Welz, Walter Wilfred, Jr. Wendell, Eabeth Mary Wendling, Andre Georges Wendt, Waldemar Frederick B.S. 1943, University of Maryland Wendt, Waldemar Frederick B.S. 1943, University of Maryland Wendt, Waldemar Frederick B.S. 1943, University of Maryland Wendt, Carl Morton A.B. 1947, A.M. 1950, University Wendt, Lucile Bard A.B. 1947, A.M. 1950, University Wendt, Lucile Bard A.B. 1942, University of South Wenger, Edward George Wenner, Edward George Wenner, Edward George Wenner, William Fred Wenner, Louise Offeedal A.B. 1947, St. John's College Wenner, Jane Werner, Jane Werner, Jane Werner, Monroe Mark Wenner, Monroe Mark Wenner, Monroe Mark Wenter, Trederick Lloyd A.B. 1938, Brooklyn College Wertheim, David Sewmour Wertheim, David Sewmour Wettheimer, Dona Barbara B.S. 1948, University of Wisconsin Wells, Thomas Frederick, Jr. Wertenbruch, Mary Claire Wertheim, David Sewmour Wettheimer, Dona Barbara B.S. 1948, Princeton University Whelten, Joseph Maurice Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Joseph Maurice Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Joseph Maurice Wheeler, Robert Gerald Wheeler, Robert G	Welch Konn Albert	DC		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Weity, Ruth Agnew Weity, Ruth E Welz, Walter Wilfred, Jr. Wendell, Eabeth Mary Wendling, Andre Georges Wendt, Waldemar Frederick B.S. 1943, University of Maryland Wendt, Waldemar Frederick B.S. 1943, University of Maryland Wendt, Waldemar Frederick B.S. 1943, University of Maryland Wendt, Carl Morton A.B. 1947, A.M. 1950, University Wendt, Lucile Bard A.B. 1947, A.M. 1950, University Wendt, Lucile Bard A.B. 1942, University of South Wenger, Edward George Wenner, Edward George Wenner, Edward George Wenner, William Fred Wenner, Louise Offeedal A.B. 1947, St. John's College Wenner, Jane Werner, Jane Werner, Jane Werner, Monroe Mark Wenner, Monroe Mark Wenner, Monroe Mark Wenter, Trederick Lloyd A.B. 1938, Brooklyn College Wertheim, David Sewmour Wertheim, David Sewmour Wettheimer, Dona Barbara B.S. 1948, University of Wisconsin Wells, Thomas Frederick, Jr. Wertenbruch, Mary Claire Wertheim, David Sewmour Wettheimer, Dona Barbara B.S. 1948, Princeton University Whelten, Joseph Maurice Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Joseph Maurice Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Joseph Maurice Wheeler, Robert Gerald Wheeler, Robert G	Welsh Tary Kathleen	Va.	Westervelt, Frederic Ballard, Jr.	\\lambda
Westmore, Robert Norman, Jr. Westmore, Md. Westmore, William Fred Whaley, Mary Lopel, Russell Whater, Arbura, Jr. Westmore, Md. Westmore, Robert Norman, Md. Westmore, Joan Today, Norman, Jr.	Welty Rush William, Jr.	Md.	Westiall led B	Tex.
West, Walter Wilfred, Jr. Wendell, Elizabeth Mary Wendt, Waldemar Frederick B.S. 1933. United States Naval Wendt, Carl Morton A.B. 1937. A M 1930, University Wendt, Lucile Bard A.B. 1942. University of South Wenner, Edward George Wenner, William Fred Wenner, William Fred Wenner, Wenner, Jane Wenner, Jane Wenner, Jane Wenner, Jane Werner, Indian Glass Wenner, Ruth Glass Wenner, Ruth Glass Wenner, Monroe Mark Wenter, Thomas Frederick, Jr. Wester, Thomas Frederick,	Welty, Ruch E	Va.	B.S. 1940, University of Uklahoma	I) C
Wendt, Waldemar Frederick B.S. 1913. University of Maryland Wetherbee, Fairland Henry Wendt, Carl Morton A.B. 1937. A M 1939. University Wendt, Lucile Bard A.B. 1942. University of South Wenner, Edward George Wenner, Edward George Wenner, Evelyn Wingate Wenner, Evelyn Wingate Wenner, Evelyn Wingate Wenter, Iane Werthow, Farrell Roy Werthow, Farrell Roy Werther, Frederick Lloyd Wertner, Frederick Lloyd Wertner, Frederick Lloyd Wertner, Monroe Mark Wert, Albers, Brooklyn College Wertheim, David Sewmour Wettheim, David Sewmour Wett, Albers Gleen West, Alexander Lockkars Md. Wettherbee, Fairland Henry Wettherbee, Fairland Henry Wettmore, William Fred Wethor, Lewellyn Russell Whaley, Mary Virginia Wethard, Llewellyn Russell Whaley, Lewellyn Russell Wheatley, LeRoy Herbert B.S. 1940, Johns Hopkins University Wheeler, Alries Advisa Wheeler, Alries Advisa Wheeler, Alries Advisa Wheeler, Alries Advisa Wheeler, Frank Knowles Blasadell Md. A.B. 1948, Cocidental College Wheeler, Fred William On Wheeler, Mary Robb A.B. 1948, University of Kansas Wheeler, Richard Paul Wheeler, Violette Niederhauser DC Wheeler, William Fred Wheeler, Alice Livingston Wheeler, Alries Advisa Wheeler, Frienk Knowles Blasadell Md. A.B. 1948, University of Kansas Wheeler, Mary Robb A.B. 1948, University Wheeler, Violette Niederhauser DC Wheeler, William On Wheeler, Alice Livingston Wheeler, Alries Advisa Wheeler, Friend Wulliam On Wheeler, Friend Walliam On Wheeler, John Topping A.B. 1948, Princeton University Wheeler, Violette Niederhauser DC A.B. 1948, Princeton University Wheeler, John Topping A.B. 1948, Princeton University Wheeler, John Topping A.B. 1948, Princeton University Wheeler, John Topping A.B. 1948, Princeton University Wheeler, Rary Robb A.B. 1948, Princeton University Wheeler, Robert Gerald A.B. 1948, Princeton University Wheeler, John Topping A.B. 1948, Princeton University Wheeler, John Topping A.		D.C.	Westmore, Robert Norman, Jr.	DC.
Wendt, Waldemar Frederick B.S. 1913. University of Maryland Wetherbee, Fairland Henry Wendt, Carl Morton A.B. 1937. A M 1939. University Wendt, Lucile Bard A.B. 1942. University of South Wenner, Edward George Wenner, Edward George Wenner, Evelyn Wingate Wenner, Evelyn Wingate Wenner, Evelyn Wingate Wenter, Iane Werthow, Farrell Roy Werthow, Farrell Roy Werther, Frederick Lloyd Wertner, Frederick Lloyd Wertner, Frederick Lloyd Wertner, Monroe Mark Wert, Albers, Brooklyn College Wertheim, David Sewmour Wettheim, David Sewmour Wett, Albers Gleen West, Alexander Lockkars Md. Wettherbee, Fairland Henry Wettherbee, Fairland Henry Wettmore, William Fred Wethor, Lewellyn Russell Whaley, Mary Virginia Wethard, Llewellyn Russell Whaley, Lewellyn Russell Wheatley, LeRoy Herbert B.S. 1940, Johns Hopkins University Wheeler, Alries Advisa Wheeler, Alries Advisa Wheeler, Alries Advisa Wheeler, Alries Advisa Wheeler, Frank Knowles Blasadell Md. A.B. 1948, Cocidental College Wheeler, Fred William On Wheeler, Mary Robb A.B. 1948, University of Kansas Wheeler, Richard Paul Wheeler, Violette Niederhauser DC Wheeler, William Fred Wheeler, Alice Livingston Wheeler, Alries Advisa Wheeler, Frienk Knowles Blasadell Md. A.B. 1948, University of Kansas Wheeler, Mary Robb A.B. 1948, University Wheeler, Violette Niederhauser DC Wheeler, William On Wheeler, Alice Livingston Wheeler, Alries Advisa Wheeler, Friend Wulliam On Wheeler, Friend Walliam On Wheeler, John Topping A.B. 1948, Princeton University Wheeler, Violette Niederhauser DC A.B. 1948, Princeton University Wheeler, John Topping A.B. 1948, Princeton University Wheeler, John Topping A.B. 1948, Princeton University Wheeler, John Topping A.B. 1948, Princeton University Wheeler, Rary Robb A.B. 1948, Princeton University Wheeler, Robert Gerald A.B. 1948, Princeton University Wheeler, John Topping A.B. 1948, Princeton University Wheeler, John Topping A.	Wendelt, Elizabeth Man	Pa.	Wester Clas Farl	
Wetmore, William Furches, Jr. Weyraugh, Joseph Alexander Whaeler, Liewellyn Rusell Whaeler, Liewellyn Rusell Whaeler, Liewellyn Rusell Whaeler, Liewellyn Rusell Whaeler, Alexander Loeken Joseph Alexander Loeken Whaeler, Alice Livingston Wheeler, Alice Livingston Wheeler	Wendling, Andre Consess	Pa.	RS total University of Maryland	Mid.
Wetmore, William Furches, Jr. Weyraugh, Joseph Alexander Whaeler, Liewellyn Rusell Whaeler, Liewellyn Rusell Whaeler, Liewellyn Rusell Whaeler, Liewellyn Rusell Whaeler, Alexander Loeken Joseph Alexander Loeken Whaeler, Alice Livingston Wheeler, Alice Livingston Wheeler	Re. Waldemar Frederick		Wetherhee Fairland Henry	Md.
A.B. 1942. University of South Wendt, Lucile Bard A.B. 1942. University of South Wendt, Senser, Edward George Wenner, Edward George Wenner, Evelyn Wingate Wenner, Farrell Roy Wenner, Indian Sense Wellesley College Werner, Farrell Roy Werner, Monroe Mark Wenner, Dona Barbara Wenner, David Sewmour Wettheim, David Sewmour Wettheim, David Sewmour Wettheim, David Sewmour Wettheim, David Sewmour Went, Mherest Aubrey Went, Thomas Frederick, Jr. Wett, Merset Aubrey Went, Thomas Frederick of Wisconsin Welley, Theodore Howard Went, Alexander Lockbara	1933. United Season Manual	VA.	Wetmore William Further Ir	Va.
Wendt, Lucile Bard AB, 1942, University of South Wenger, Edward George Wenner, Edward George Wenner, Evelyn Wingate AB, 1947, St. John's College AB, 1947, St. John's College Wenter, Jane Werner, Farrell Roy Werner, Ruth Glass Wenner, Monroe Mark Wenner, Monroe Mark Wenter, Thomas Frederick, Jr. West, Herold I. Wenter, Thomas Frederick, Jr. West, Herobett Aubrey West, Thomas Frederick, Jr. West, Herbett Aubrey West, AB, 1948, Brooklyn College West, Thomas Frederick, Jr. West, Herbett Aubrey West, Abert Gleen West, Abert Gleen West, Alexander Lockbarn West, Alexander	Wends Cademy			12.
Wendt, Lucile Bard AB, 1942, University of South Wenger, Edward George Wenner, Edward George Wenner, Evelyn Wingate AB, 1947, St. John's College AB, 1947, St. John's College Wenter, Jane Werner, Farrell Roy Werner, Ruth Glass Wenner, Monroe Mark Wenner, Monroe Mark Wenter, Thomas Frederick, Jr. West, Herold I. Wenter, Thomas Frederick, Jr. West, Herobett Aubrey West, Thomas Frederick, Jr. West, Herbett Aubrey West, AB, 1948, Brooklyn College West, Thomas Frederick, Jr. West, Herbett Aubrey West, Abert Gleen West, Abert Gleen West, Alexander Lockbarn West, Alexander	A.B. arl Morton	Towa		11.13
David University of South David University of South Wenner, Edward George Wenner, Evelyn Wingate Wenner, Louise Offeedal Wenner, St. John's College Werther, Fartell Roy Werthow, Fartell Roy Wertner, Ruth Glass Wenner, Harrold I Werner, Monroe Mark Wenner, Honore Mark West, Harold I Wertner, Thomas Frederick, Jr. Wertner, Thomas Frederick, Jr. Wertnerheim, David Sewmour Wertheim, David Sewmour Wettheim, David Sewmour Wette, Herbert Aubrey Wert, Albert Glenn West, Alexander Lockbars West, Alexander Lockbars West, Alexander Lockbars West, Alexander Lockbars Wheeler, Alice Livingston Wheeler, Edna Boly Wheeler, Fanak Knowles Blasdell Wheeler, Finak Knowles Blasdell Wheeler, Finak Knowles Blasdell Wheeler, Finak Knowles Blasdell Wheeler, Violet, Mary Robb A B 1938, University of Kansas Co Wheeler, Wary Robb A B 1938, University of Kansas Co Wheeler, Wary Robb A B 1938, University of Kansas Co Wheeler, Richard Robb Wheeler, Fanak Knowles Blasdell Wheeler, Finak Knowles Blasdell A B. 1938, University of Kansas Co Wheeler, Finak Knowles Blasdell A B. 1938, University of Kansas Co Wheeler, Finak Knowles Blasdell A B. 1938, University of Kansas Co Wheeler, Finak Knowles Blasdell A B. 1938, University of Kansas Co Wheeler, Finak Knowles Blasdell A B. 1938, University of Kansas				111.
David University of South David University of South Wenner, Edward George Wenner, Evelyn Wingate Wenner, Louise Offeedal Wenner, St. John's College Werther, Fartell Roy Werthow, Fartell Roy Wertner, Ruth Glass Wenner, Harrold I Werner, Monroe Mark Wenner, Honore Mark West, Harold I Wertner, Thomas Frederick, Jr. Wertner, Thomas Frederick, Jr. Wertnerheim, David Sewmour Wertheim, David Sewmour Wettheim, David Sewmour Wette, Herbert Aubrey Wert, Albert Glenn West, Alexander Lockbars West, Alexander Lockbars West, Alexander Lockbars West, Alexander Lockbars Wheeler, Alice Livingston Wheeler, Edna Boly Wheeler, Fanak Knowles Blasdell Wheeler, Finak Knowles Blasdell Wheeler, Finak Knowles Blasdell Wheeler, Finak Knowles Blasdell Wheeler, Violet, Mary Robb A B 1938, University of Kansas Co Wheeler, Wary Robb A B 1938, University of Kansas Co Wheeler, Wary Robb A B 1938, University of Kansas Co Wheeler, Richard Robb Wheeler, Fanak Knowles Blasdell Wheeler, Finak Knowles Blasdell A B. 1938, University of Kansas Co Wheeler, Finak Knowles Blasdell A B. 1938, University of Kansas Co Wheeler, Finak Knowles Blasdell A B. 1938, University of Kansas Co Wheeler, Finak Knowles Blasdell A B. 1938, University of Kansas Co Wheeler, Finak Knowles Blasdell A B. 1938, University of Kansas	Wendt, Lucila Dakota			Md.
Wenger, Edward George Wenger, William Fred Wenger, Evelyn Wingate Wenger, Evelyn Wingate Wenger, Evelyn Wingate Wenger, Henry Theodore, Jr. A.B. 1947, St. John's College Wenger, John's College Wenger, John's College Wenger, John's College Wheeler, Arthur Adrian Mit Wheeler, Arthur Adrian Wheeler, Edna Boly Mad A.B. 1948, Occidental College Wheeler, Frank Knowles Blasdell B.S. 1935, United States Naval Academy Wheeler, Frank Knowles Blasdell B.S. 1938, University of Kansas Wenger, Harold Jane Wheeler, Mary Robb A.B. 1938, Brooklyn College Wheeler, Mary Starr A.B. 1948, Princeton University Wester, Thomas Frederick, Jr. Wertenbruch, Mary Claire Wettherm, David Sewmour Wester, Theodore Howard Wenger, Theodore Howard Wenger, Theodore Howard Wenger, Arthur Adrian Wheeler, Arthur Adrian Mit Medical College Wheeler, Frank Knowles Blasdell B.S. 1938, University of Kansas Wheeler, Frank Knowles Blasdell Mit A.B. 1938, University of Wheeler, Mary Robb A.B. 1938, University of Wheeler, Mary Starr A.B. 1938, Brooklyn College Wheeler, Alice Livingston Wheeler, Althur Alice Livingston Mit College Wheeler, Alice Livingston Mit Coll	A B. 1942 I'm	S.D.		ly.
Wenner, Evelyn William Fred Wenner, Evelyn Wingate A.B. 1947, St. John's College Wenner, John's Wheeler, Frank Knowles Blasdell Md Menter, Frank Knowles Blasdell Md Ms. 1938, Wellealey College Wenner, Frederick Lloyd A.B. 1938, University of Kansas Wenner, Frederick Lloyd A.B. 1938, Brooklyn College Wenner, Harold J Werner, Thomas Frederick, Jr. Wernerbunch, Mary Claire Werts, Herbort Aubrey Wetts, Herbort Aubrey Wents, Harold Burden Westel, Alexander Lookhau Westel, Alexander Lookhau Wheeler, Rarbur Adrian Wheeler, Frank Knowles Blasdell Md Wheeler, Frank Knowles Blasdell Mi B.S. 1938, University of Wheeler, Mary Robb A.B. 1938, University of Wheeler, Mary Robb A.B. 1948, University Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, William Wheeler, Mary Robb A.B. 1948, University Wheeler, Fred William Wheeler, Mary Claire Wheeler, Violette Niesenson Wheeler, Richard Paul Wheeler, Violette Niesenson Wheeler, Rarbur Academy Wheeler, Rarbur Academy Wheeler, Fred William	Wakota Chiversity of South		Whenton Richard Murray	lowa
Wensel, Henry Theodore, Jr. A.B. 1947, St. John's College A.B. 1939, Wellealey College Wertz, Jane Wertz, Harold Jane Wertz, Josa B. 1938, Brooklyn College West, Wertz, Thomas Frederick Jr. Wertenbruch, Mary Claire Wertenbruch, Mary Claire Werts, Herbert Aubrey Wertz, Theodore Howard Wests, Herbert Aubrey Wertz, Theodore Howard West, Alexander Lockban West, Alexander Lockban Windeler, Edna Boly M. A.B., 1938, Occidental College Wheeler, Frank Knowles Blasdell B.S. 1935, United States Naval A. 1938, University of Wheeler, Mary Robb A. B. 1938, University of Wheeler, Mary Robb A. B. 1938, University of Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Frank Knowles Blasdell B.S. 1938, University of Wheeler, Mary Robb A. B. 1938, University of Wheeler, Frank Knowles Blasdell B.S. 1935, United States Naval A. A. 1938, University of Kansas Wheeler, Frank Knowles Blasdell B.S. 1935, United States Naval A. 1938, Brookly of Kansas Wheeler, Frank Knowles Blasdell B.S. 1935, United States Naval A. 1938, Priock of Kansas Wheeler, Richard Paul Wheeler, Frank Knowles Blasdell B.S. 1935, University of Kansas Wheeler, Frank Knowles Blasdell B.S. 1935, University of Kansas Wheeler, Richard Paul Wheeler, Mary Robb A. B. 1938, Prioceton University Wheeler, Paul Wheeler, Mary Robb A. B. 1938, Prioceton University Wheeler, Paul Wheeler, Mary Robe A. B. 1938, Prioceton University Wheeler, Paul Wheeler, Mary Robe Wheeler, Mary Robe Wheeler, Richard Paul Wheeler, Mary Robe Wheeler, Mary Robe A. B. 1938, Prioceton University Wheeler, Paul Wheel	Wenner, Edward George	00	Wheeler, Alice Livingston	Va.
Winnel, Louise Oftedal A.B. 1939, Wellealey College Werner, Jane Werner, Ruth Glass Wenter, Frederick Lloyd A.B. 1938, Brooklyn College Werner, Monroe Mark Werner, Monroe Mark Werner, Thomas Frederick, Jr. Wertheim, David Sewmour West, Alexander Lockward Wheeler, Frank Knowles Blasdell B.S. 1935, United States Naval Academy Wheeler, Fred William Wheeler, Mary Robb A.B. 1938, University of Kansas Wheeler, Mary Robb A.B. 1938, University of Wheeler, A.B. 1936, Whitaere, Bruce Edward Wheeler, Fred William Wheeler, Mary Robb A.B. 1938, University of Wheeler, Mary Robb Wheeler, Mary Rob Wheeler,	Wenn- William Fred		Wheeler, Arthur Adrian	Mass.
Winnel, Louise Oftedal A.B. 1939, Wellealey College Werner, Jane Werner, Ruth Glass Wenter, Frederick Lloyd A.B. 1938, Brooklyn College Werner, Monroe Mark Werner, Monroe Mark Werner, Thomas Frederick, Jr. Wertheim, David Sewmour West, Alexander Lockward Wheeler, Frank Knowles Blasdell B.S. 1935, United States Naval Academy Wheeler, Fred William Wheeler, Mary Robb A.B. 1938, University of Kansas Wheeler, Mary Robb A.B. 1938, University of Wheeler, A.B. 1936, Whitaere, Bruce Edward Wheeler, Fred William Wheeler, Mary Robb A.B. 1938, University of Wheeler, Mary Robb Wheeler, Mary Rob Wheeler,	Wensel Twelyn Wingare			D.C.
Werhos Farrell Roy Wermer, Ruth Glass Wener, Frederick Lloyd A.B. 1938, University of Kansas Wener, Frederick Lloyd A.B. 1938, University of Kansas Wener, Mary Robb A.B. 1938, University of Kansas Wheeler, Mary Starr A.B. 1938, University of Kansas Wheeler, Mary Starr A.B. 1938, University of Wheeler, Mary Starr A.B. 1938, University of Wheeler, Richard Paul Wheeler, John Topping A.B. 1938, Princeton University Wheelon, Joseph Maurice West, Alexander Lockhard Wheeler, Mary Robert Gene Wheeler, Mary Robert Gene Wheeler, Mary Rotard Wheeler, Mary Rotard Wheeler, Mary Rotard A.B. 1938, University of Wheeler, College Wheeler, Richard Paul Wheeler, Richar	A.R. Henry Theodore, Ir			
Werhos Farrell Roy Wermer, Ruth Glass Wener, Frederick Lloyd A.B. 1938, University of Kansas Wener, Frederick Lloyd A.B. 1938, University of Kansas Wener, Mary Robb A.B. 1938, University of Kansas Wheeler, Mary Starr A.B. 1938, University of Kansas Wheeler, Mary Starr A.B. 1938, University of Wheeler, Mary Starr A.B. 1938, University of Wheeler, Richard Paul Wheeler, John Topping A.B. 1938, Princeton University Wheelon, Joseph Maurice West, Alexander Lockhard Wheeler, Mary Robert Gene Wheeler, Mary Robert Gene Wheeler, Mary Rotard Wheeler, Mary Rotard Wheeler, Mary Rotard A.B. 1938, University of Wheeler, College Wheeler, Richard Paul Wheeler, Richar	Wensel 1947, St. John's College	******		Minn.
Werhos Farrell Roy Wermer, Ruth Glass Wener, Frederick Lloyd A.B. 1938, University of Kansas Wener, Frederick Lloyd A.B. 1938, University of Kansas Wener, Mary Robb A.B. 1938, University of Kansas Wheeler, Mary Starr A.B. 1938, University of Kansas Wheeler, Mary Starr A.B. 1938, University of Wheeler, Mary Starr A.B. 1938, University of Wheeler, Richard Paul Wheeler, John Topping A.B. 1938, Princeton University Wheelon, Joseph Maurice West, Alexander Lockhard Wheeler, Mary Robert Gene Wheeler, Mary Robert Gene Wheeler, Mary Rotard Wheeler, Mary Rotard Wheeler, Mary Rotard A.B. 1938, University of Wheeler, College Wheeler, Richard Paul Wheeler, Richar	A.B. Louise Oftedal	Md.		
Werner, Ruth Glass Werner, Frederick Lloyd A.B. 1938, Brooklyn College Wers, Harold J Wers, Thomas Frederick, Jr. Wertheim, David Sewmour West, Albertheim, Doeph Maurice A.B. 1938, University of Wheeler, Mary Starr A.B. 1938, University of Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Mary Starr A.B. 1938, University of Wheeler, Richard Paul Wheeler, Mary Starr A.B. 1938, University of Wheeler, Nary Starr A.B. 1938, University of Wheeler, Mary Starr A.B. 1948, Princeton University Wheeler, Mary Starr A.B. 1938, University of Wheeler, Mary Starr A.B. 1948, Princeton University Wheeler, Mary Starr A.B. 1938, University of Wheeler, Nary Starr A.B. 1936, University of Wheeler, Nary Starr A.B. 1938, University of Wheeler, Nary Starr A.B. 1938, University of Wheeler, Nary Starr A.B. 1936, University of W	Wentz, Jane, Wellesley College			01:
Werner, Ruth Glass Werner, Frederick Lloyd A.B. 1938, Brooklyn College Wers, Harold J Wers, Thomas Frederick, Jr. Wertheim, David Sewmour West, Albertheim, Doeph Maurice A.B. 1938, University of Wheeler, Mary Starr A.B. 1938, University of Wheeler, Richard Paul Wheeler, Richard Paul Wheeler, Mary Starr A.B. 1938, University of Wheeler, Richard Paul Wheeler, Mary Starr A.B. 1938, University of Wheeler, Nary Starr A.B. 1938, University of Wheeler, Mary Starr A.B. 1948, Princeton University Wheeler, Mary Starr A.B. 1938, University of Wheeler, Mary Starr A.B. 1948, Princeton University Wheeler, Mary Starr A.B. 1938, University of Wheeler, Nary Starr A.B. 1936, University of Wheeler, Nary Starr A.B. 1938, University of Wheeler, Nary Starr A.B. 1938, University of Wheeler, Nary Starr A.B. 1936, University of W	Warney Farrell Day	DC.	Wheeler, Fred William	Ohio
Werner, Brederick Lloyd A.B. Monroe Mark Werst, Harold J. Wheeler, Mary Start A.B. 1918. Brooklyn College Werst, Harold J. Wheeler, Welever, Chomas Frederick, Jr. Wertenbruch, Mary Claire Werthelim, David Sewmour Werts, Herbert Aubrey Werts, Herbert Aubrey Werts, Herbert Aubrey Werts, Honde Brederick Weste, John Topping A.B. 1948, Princeton University Whelton, Joseph Maurice A.B. 1937, M.S. 1939, Mansten University Wester, Theodore Howard Westel, Harold Burton Westel, Robert Glenn West, Alexander Lockbare Wester, Alexander Lockbare Wester, Alexander Lockbare Wester, Alexander Lockbare	War Ruth Class	DC.	Wheeler, Mary Kobb	D.C.
Were Thomas Frederick Jr. Wertheim David Sewmour Wettheim David Sewmour Wetts Herbert Aubrey Wertz, Hond Burbara B C 1948, Princeton University Wish Joseph Maurice AB 1937, M.S. 1939, Manuel University Wester, Thomas Frederick Jr. Wish University Wester, Alexander Lockbara Wheeler, Richard Paul Wheeler, R	Werner, Frederick I land	/3	Wheeler Many Stars	Conn.
Were Thomas Frederick Jr. Wertheim David Sewmour Wettheim David Sewmour Wetts Herbert Aubrey Wertz, Hond Burbara B C 1948, Princeton University Wish Joseph Maurice AB 1937, M.S. 1939, Manuel University Wester, Thomas Frederick Jr. Wish University Wester, Alexander Lockbara Wheeler, Richard Paul Wheeler, R	A R. Monroe Mark	DC.	A R 1016 Welleder College	Conn.
Wert, Thomas Frederick, Jr. Wertenbruch, Mary Claire Werthelm, David Seymour Werts, Herbert Aubrey Werts, Hoedore Howard Wertell, Booker Howard Westell, Robert Glenn West, Alexander Lockbarn Whister, Bruce Edward Wheeler, Violette Niederhauser Wheelock, John Topping A.B. 1948, Princeton University Wheelock, John Topping A.B. 1948, 1948, Princeton University Wheelock, John Topping A.B. 1948, 1948, Princeton University Wheelock, John Topping Wheelock, John Topping Wheelock, John Topping A.B. 1948, 1948, Princeton University Wheelock, John Topping Wheelock, John Topping Wheelock, John Topping Wheelock, John Topping A.B. 1948, 1948, Princeton University Wheelock, John Topping A.B. 1948, 1948, 1948, Princeton University Wheelock, John Topping Wheelock, John Topping A.B. 1948, 1948, 1948, 1948 Wheelock, John Topping A.B. 1948, 1948, 1948 Wheelock, John Topping Wheelock, John Topping Wheelock, John Topping Wheelock, John Topping A.B. 1948, 1948, 1948 Wheelock, John Topping A.B. 1948, 1948 Wheelock, John Top	Werst B 938. Brooklyn College	.7 8.	Wheeler Richard Paul	Md.
Weste, Herbert Aubrey Weste, Harold Burston Weste, Alberta Anne West, Alexander Lockbare Weste, Alexander Lockbare Weste, Alexander Lockbare Whisters, Bruce Edward Whisters, Bruce Edward Whelton, Joseph Maurice A.B. 1937, M.S. 1939, Menton University Whister, David Colwell Wherry, David Colwell Whitere, David Colwell Wherry, David Colwell Whitere, David Colwell Whitere, David Colwell Whitere, David Colwell Wherry, David Colwell Whitere, Colwerter, Colwerter	Were Tharold I	Arin	***************************************	D.C.
Weste, Herbert Aubrey Weste, Harold Burston Weste, Alberta Anne West, Alexander Lockbare Weste, Alexander Lockbare Weste, Alexander Lockbare Whisters, Bruce Edward Whisters, Bruce Edward Whelton, Joseph Maurice A.B. 1937, M.S. 1939, Menton University Whister, David Colwell Wherry, David Colwell Whitere, David Colwell Wherry, David Colwell Whitere, David Colwell Whitere, David Colwell Whitere, David Colwell Wherry, David Colwell Whitere, Colwerter, Colwerter	Wertenbruck Frederick, Ir.			III.
Wette, Herbert Aubrey Weste, Herbert Aubrey Wertz, Theodore Howard Westel, Robert Glenn West, Alexander Lockbane D.C. A.B. 1937, M.S. 1939, Mustom University Wherry, David Colwell Wherry, Robert Gerald Alt Whistler, Robert Gerald Alt Whistler, Robert Gerald Alt Whistler, Robert Gerald Alt Whistler, Bruce Edward	Wertheim D. Mary Claire	DC	A.B. 1948. Princeton University	200.
B.S. 14 Perbert Aubrey Wertz, Tokal University Wertz, Theodore Howard Westel, Harold Burton Westel, Robert Glenn West, Alexander Lockbarn West, Alexander Lockbarn West, Alexander Lockbarn D.C. Whisters, 1937, 1939, measure Wiss. University Whisters, Gayle B D.C. Where Sayle B D.C. Whisters, Cower Gerald A. Whister, Robert Gerald A. Whittere, Bruce Edward	Wertheimer T. Seymour	7. 1.	Wheleon Insenh Maurice	Va.
Wertz, 1948. University Wesley, Harold Burton Wesley, Harold Burton Wesle, Robert Glenn West, Alexander Lockbarn Wissenson Street Gerald W	Werts, Herbert A Barbara	DC.	A.B. 1937, M.S. 1939, Menton	
West, Alberta Anne West, Alexander Lockhaus Pa. Whistler, Robert Gerald West, Alexander Lockhaus Pa. Whitacre, Bruce Edward	Was 1948 Ital		University	
West, Alberta Anne West, Alexander Lockhaus Pa. Whistler, Robert Gerald West, Alexander Lockhaus Pa. Whitacre, Bruce Edward	West Theodore Hersity of Wisconsin		Wherry, David Colwell	Nebr.
West, Alberta Anne West, Alexander Lockhaus Pa. Whistler, Robert Gerald West, Alexander Lockhaus Pa. Whitacre, Bruce Edward	Wastey, Harold Russard		Whetzel, Gayle B	DC.
West Alexander Lockham Pa. Whittere, Robert Gerald A	Wass Coper Class	DC.		Md.
West Alexander Lockbarn Pa. Whitacre, Bruce Edward	West Alberta Anna	111.		Ark.
A.B. 1948, University of A.: Whitaker, Edward Stephen Va. A.B. 1942, King College	West Alexander Lockhan			Md.
1948, University of A. Va. A.B. 1942, King College	A.B. Amanda			Va.
	1948, University of A	Va.		241
Whitaker, John Carroll	Arritana		w nitager, John Carroll	Md.

Whitbeck, James A.	Va.	Whitmore, Mary Ursula	Mass.
B.B.A. 1938, University of		B.S. in Ed. 1935, State Teachers College, Salem, Mass.	
Minnesota	D 0	College, Salem, Mass.	¥3
Whitcomb, Jack Bispham	D.C.	Whitmore, Sidney Roxton	Calif
White, Alfred Lawson	N.Y. D.C.	Whitnack, John Doyle Whitney, Carlton Edward	D.L N.Y
White, Bernard Samuel	Nebr.	Whitney, George Ward	N.1
AR 1018 University of Nebraska		B.E.E. 1949, Rensselaer Polytechnic	C
LL.B. 1940, Creighton University LL.M. 1945, The George Washington		Instiute	Mich
LL.M. 1945, The George Washington	n	Whitney, Joseph Roland	
University		B.S. 1945, University of Minnesott Whitt, Gordon Alfred	D.C.
White, Carol Humes	Va.	White, Gordon Alfred	
White, Catherine Brown	N.Y. Tex.	Whittemore, William Kittredge Whitten, Grace L.	Ga.
White, Clara Belle White, Dorsey Marvin, Jr.	D.C.	Whittenburg, John Vernon	Ter.
White, Elwood Brooke	Va.	Whittenburg, John Vernon B.S. in Ch.E. 1948, Rice Institute	N.C.
White, George Amick	Va.	Whittington, James Gordon, Jr. Whittington, Mary L.	Wyo.
White, Graham Edward	D.C.	Whittington, Mary L.	Va-
White, Horace Walter	Calif.	Whittle, Ransom Alban	Pa
White, Irvin Albert	Nebr.	Whitwell, Sanford MacCallum	- 12
White, Joseph Hill	Va.	B.S. 1944, Cornell University Whitworth, Lewis Beaman	Ma
A.B. 1948, American University White, Kenneth Allen	D.C.	Whyte Rosalie Ann	D.C
White, Kenneth Woodward	D.C.	Whyte, Rosalie Ann A.B. 1946, The George Washington	1
White, Marian Virginia	Va.	University	Ohio
White, Mary Louise	D.C.	Wicke, Philip Jacol	VI.
White, Minnie S.	Va.	Wicker, Philip Jacob Wicker, Whiting B.S., 1941, Harvard University.	42.
White, Robert Bellarmine	D.C.	B.S. 1941, Harvard University.	Va.
White, Robert Lynn	W.Va.	Wickes, E. Page Wickline, Harry F.	Mo. D.C.
B.S. 1947, Marietta College White, Ruth Baskin	Nebr.	Wicks, Thomas Andrew	N.J.
A.B. 1943, University of Pennsylvan	THEDI.	Widdicombe, Richard Weaver	DI
White, Sylvia Anne	D.C.	Widman, Charles Louis	D.C.
A.B. 1944, Pomona College	2.01	Widman, Joseph William Widman, Richard Donald	D.C.
A M 1049 Claremont College		Widman, Richard Donald	10.60
White, Thomas Arthur White. Ware Wolfe	Va.	Widmayer, Clara Louise Widmyer, W. Ralph	W.Va.
White, Ware Wolfe	N.C.	A.B. 1919, Shepherd College	Vs.
	Ohio	Wiedora, Paul Hollister	4-
B.S. 1941, The George Washington		B.S. 1922, United States Naval	
University	W. 1 37	Academy	Wis
White, Willis Graham	N.Y. D.C.	Wiefelspuetz, Edwin Alfred	III.
Whitefield, Mary Virginia		Wiener, Harvey	Tex.
Whitehair, George W. A.B. 1930, West Virginia University	W. V M.	Wier, Richard Austin	
Whitehead, June Marie	D.C.	B.B.A. 1943, Texas Christian University	N.J.
Whitehead, Mildred May	D.C.	Wieroniev, Paul Martin	Di
Whitehead, Roger Donald	Calif.	Wieroniey, Paul Martin Wiesman, Benjamin Wiggins, John Dewey	Die
Whitehouse, William Ambrose, Jr.	Ky.	Wiggins, John Dewey	
Whitely, John Epes	Ala.	A.B. 1937, Washington and	
Whiteman, Sally Seidelman	D.C.		
Whitener, Thomas Grady	Md.	Wiggins, John Russell	ORC.
Whitesel, James Warren	D.C.	Wiggins, John Russell Wiggins, Lloyd George Wiggins, Patricia Ann	Okla D.C. Pa
B.S. 1943. Wake Forest College J.D. 1948, The George Washington		Winging I homas Arthur	
J.D. 1948, The George Washington		B.S. 1942, Pennsylvania State	
University	D.C.	College	N.C.
Whitesel, Roy Thornton	W.Va.	Wiggs, Deems Norwood	V2.
Whiting, Anne Belinda	Tex.	Wight, Arianna Randolph	N.Y.
Whiting, Louise Tiffany Whitley, Clyde Efird	D.C.	Wigren, Lloyd Ethan	PL
Whitley, Diana Constance	D.C.	A.B. 1010. Columbia University	1-
Whitley, Dorothy Main	Kans.	A.B. 1040. Columbia University Wilamowski, Edward Joseph B.S. 1046. The George Washington	
Whitlock, Duane Lewis	Iowa	University	Mass-
Whitlock, Elmer William	Va.	Wilansky, Donald Mark .	Bad.
Whitman, Gretta Rae	D.C.		
Whitman, Jack	Pa.	Wilbur, Glenmore A A.B. 1037, University of Washingto Wilburn, Fred Thomas, Jr. Wilburn, James I.	Va.
Whitmer, Jacqueline Wynwood	Va.	Wilburn, Fred Thomas, Jr.	0.0
Whitmore, Charles Warren	Va.	Without of James Co.	D.C.
Whitmore, Daniel Norman	Nev.	Wilburt, George Arthur	T, c
Whitmore, James O'Neill	D.C.	Wilcox, Carolyn Sylvia	
Whitmore, Jane Frances	Md.	A.B. 1941, Rockford College	

1071			
Wilcox, Jessie Elna Wilcox, M. Et	Va.	Williams, Earl, Jr.	III.
Wilcox, N. Elane	Md.	Williams, Edith Louise	Va.
Wilcox, Nobert Lynn Wilcox, Vivian Allison Wildy Paul Joseph		A.B. 1947, The George Washington	
Wilcon, Robert Lynn	D.C.	University	•
Wild Pivian Allison	Md.	A.M. 1948. Raddiffe College	
Wild, Paul Joseph	lows	Williams, Elma Williams, Elmer Morton	D.C.
A.B. 1938, Drake University Wildemann, Sheila Margaret	-	Williams, Elmer Morton	Md.
Was Sheila Margaret	W.Va.	Williams, Emma Loleta	Va.
Williaman, Janet	D.C.	Williams, Elwynne Mary	D.C.
Wildman, Janet Wildman, Theodore John Wiles, Jo Anne	Colo.	A.B. 1933, University of Wales	
Wiles, John Wiles Wiles Wiles Wiles	Mich.	Williams, Fletcher Price, Jr.	D.C.
Wiles, William Edward	D.C.	Williams, Frank Evans	D.C.
A.B. 1918, Brooklyn Cellege Wiley, Earl Brooks Wiley, Lynwood I asses	ww.	Williams, George Woods	D.C.
Wiley, Earl Brooks	Ga.	A.B. 1941, Kalamazoo College	
Wiley, Lynwood Latane Wilhelm, Harry Wall	Va.	Williams, Gerald Albert	Lowa
Wilhelm, Harry Wesley Wilimen, Fred Donald	D.C.	B.S. 1945, South Dakota State Colle	Ec _
Wilimen, Fred Donald	D.C.	Williams, Harry Edgar	Pa.
B.S. in E.E. 1947, Stanford Wilkerson, John Kranes, In	D.C.	B.S. in Ed. 1939. State Teachers	
With University			
Wilkerson, John Krantz, Jr. Wilkerson, Turner Lee, Jr.	Md.	Williams, Janice Ruth Williams, John Charles Williams, John Marshall	D.C.
Wilkerson, Turner Lee, Jr. Wilkins, Don Frank	Va.	Williams, John Charles	N.D.
	Vt.	Williams, John Marshall	Wis.
Wilkins, Elizabeth Ann Wilkins, Flored La	D.C.	B.S. in Ed. 1936. East Central State College Williams, John McRoy Williams, John Powell	
Wilkins, Floyd, Jr. B.S. 1946, University of California Wilkinson, John Kenneth Wilkinson, Mary Rishau	D.C.	State College	200
Who 1946. University of California	Calif.	Williams, John McKoy	D.C.
Wilkinson, John Kenneth Wilkinson, Mary Bisboop Wilkinson, Richard Broop	DO	Williams, John Powell	Va.
Wilkinson, Mary Richard	D.C.	B.S. 1948, Virginia Polytechnic	
Wilkinson, Richard Bruce B.S. 1937, Newark, College of	D.C.	Institute	27.35
B.S. 1937, Newark College of Wilkinson, Richard Storling	Md.	Williams, Kenneth Richard	N.Y.
		Williams, Lawrence Edwin, Jr.	Md.
Wilkinson, Richard Sand	20	B.S. 1944. United States Naval	
Alli C	Va.	Academy	70.
	Md.	Williams, Leonard	Pa.
B.S. 1944 Mery	Va.	Williams, Leonard John	Md.
Willard Walter College		Williams, Lowell Winfield	Md.
Willard Will: Gordon	D.C.	Williams, Lucy Jeanette Williams, Luroff H.	N.C.
B.S. 1944, Madison College Willard, Walter Gordon Willard, William Creighton And Control of College Willenbucher, Dorothy Fliesbach	D.C.	Williams, Luron H.	Va.
Willens, Joseph	Md.	Williams, Margaret Goodwin	D.C.
Willens, Joseph Willett, Edwin D		A.B. 1931, Wellesley College	241
	N.Y.	Williams, Marjorie Louise	_Md.
Willett, Edwin Dexter A.B. 1948. The General Washington	Hawaii	Williams, Marvin Edward	Tenn.
AR John Raymond	Maine	Williams, Mary Myrtle	Va.
A.B. Joan Raymond University Willess Versity Washington	Orderson.	Williams, Michele	D.C.
University The George Washington		B.S. 1948. The George Washington	
Willett, Lawrence Edgar B.S. in Ed. 1945, University of	D.C.	University	200
B.S. Lawrence Edgar in Ed. 1945, University of A.M. University of	47.4.	Williams, Nancy Ann	D.C.
A.M. 1945, University of		Williams, Owen Wingate	D.C.
THE REAL PROPERTY OF		A.B. 1948. Kalamazoo College	200
Washington University Willett, Marie Louise		Williams, Patricia	D.C.
Willett, Marie Louise	DC	Williams, Patrick Joseph	D.C.
Willeyer, Aileen Janet	D.C.	Williams, Patrick Joseph Williams, Polly Teed Williams, Richard Guy	D.C.
A.B. 1946, New Jersey State Teacher	N.J.	Williams, Richard Guy	Va.
Williams, Albert Keith	8.	A.B. 1044, Yale University Williams, Robert Reynolds	3// 1
Will: Douglas Jerrone		Williams, Robert Reynolds	Md.
William, Albert Keich	D.C.	A.B. 1935, Brown University	
A B Angela Mahala	Md.	M.D. 1940, Columbia University	W.
1021 A NA	D.C.	Williams, Stanton Monroe Williams, Thomas Alfred	Va.
Will: Glaster		Williams, Thomas Alfred	W.Va.
A.B. 1931, A.M. 1931, Indiana University Williams, Allen George, Jr. Williams, Beverly Ann Williams, Beverly Ann	200	A.B. 1948, West Virginia University	3.6.1
Will: " Ayward Carl	D.C.	Williams, I homas Kichardson	Md.
Williams, Ayward Cecil Williams, Beverly Ann Re Bruce Harold	Okla.	Williams, Thomas Richardson Williams, Victor Francis Williams, Virginia Louise Williams, Virginia Louise	Ky.
Williams, Beverly Ann B.S. 1934, Southern	D.C.	Williams, Virgil Henry, Jr.	Md.
7 1934. South	Tex.	Williams, Virginia Louise	Calif.
B.S. 1934, Southwest Texas State M.S. in Ed. 1939, University of		A.B. 1941, Western College	0.111
To the Ed. took to		Williams, Wilfred Stanton	Calif.
		B.S. 1937, University of Southern	
William Ciemons		California	
Williams, Constance Pit	Calif.	Williams, Willard	D.C.
Williams, Clement Williams, Constance Elizabeth B.S. 1933, A M.	N.J.	Williams, William Barron	Mich.
D 1983, AM	Tenn.	Williams, William Sterne	D.C.
Cabody College, George		A.B. 1935. University of Utah	
B.S. 1923, A.M. 1926, George Peabody College for Teachers		Williamson, Daniel Lester, Jr.	Va.

Williamson, John George	Tenn.	Wilson, B.S.
A.B. 1948, The George Washington		B.S.
University Williamson, Robert Burns	Tex.	Wilson,
A.B. 1947, University of Texas Williamson, Robert Ernest Willier, Lillian E.		Wilson,
Williamson, Robert Ernest	D.C.	A.B.
Willier, Lillian E.	D.C.	A.M.
Willingham, John Martin	D.C.	Wilson, Wilson,
Willis, Dorothy Catherine Willis, Grace Beverly	Canada	Wilson,
Willis, Harry Everett	Iowa	Wilson,
Willis, Harry Everett Willis, James Darwin	Va.	A.B.
Willis, John William A.B. 1934. University of California at Los Angeles	Va.	Wilson, A.B.
A.B. 1934, University of California		Wilson,
LL.B. 1937. University of Southern		Wilton.
California		Wimber
Willkie, Joseph Brian	Va.	A.B.
Willman, Donald Erzinger	Va. Mass.	Wimborn
Wills, Albert Michael		Winchel
Wills, Walter Cruise	D.C.	Winders
Willson, John Tucker	Colo.	Windha
Wills, Frank Eugene Wills, Walter Cruise Willson, John Tucker B.S. 1948, The George Washington		Windhei
University	N.Y.	A.B.
Willson, Robert Crompton Wilmot, William Francis	Conn.	Tea
Wilson, Bethel Elsine	Ind.	Windku
Wilson, Robert Crompton Wilson, Bethel Elaine B.S. in Ed. 1931, Indiana University Wilson, Betty Louise Wilson, Bobby Lloyd Wilson, Byron Kent A.B. 1946, Arkansas State Teachers College		Windsor
Wilson, Betty Louise	Md. Tex.	Wine, S. A.B.
Wilson, Bobby Lloyd	Ark.	Un
A B. 1046. Arkansas State Teachers	40000	Wineber
College	- 1	Winelan
Wilson, Charles Edward Wilson, Charles LeRoy, Jr. A.B. 1948, Davis and Elkins College	Va.	A.B. Un
Wilson, Charles LeRoy, Jr.	W.Va.	Winer, I
Wilson, Chris	D.C.	B.S. 1
A.B. 1933, M.S. in Ed. 1940, University of Cincinnati		Ore
University of Cincinnati	21.0	Winfield B.S.
Wilson, Elizabeth Prosser	N.C.	Aca
A.B. 1943, Greensboro College Wilson, Ernest Woodrow	Va.	Wing, N A.B. Wing, R B.S.
Wilson, Frank Gavin	D.C.	A.B.
Wilson, George Allison Wilson, George West	Iowa	Wing, R
Wilson, George West	Pa.	D.S.
Wilson, Gerald Denver	Va. Miss.	M.B.
Wilson, Grace Cunard	Va.	Wingate
Wilson, Harold Maurice	Ind.	Wingfiel
Wilson, Gerald Denver Wilson, Grace Cunard Wilson, Harold Jackson Wilson, Harold Maurice A.B., A.M. 1948, The George Washington University Wilson, Howard Eugene Wilson, Lames Frederick		Ph.B. Wingo,
Washington University	Mont.	B.S.
Wilson, Floward Eugene	D.C.	B.S. Wingo,
Wilson, James Frederick Wilson, James Howie	D.C.	Winkeln
Wilson, Jesse Lee	Mo	B.S.
Wilson, John Lewis	D.C. Va.	Winkler Winkler
Wilson, John Robert	N.Y.	Winslow
Wilson, James Frederick Wilson, James Howie Wilson, Jesse Lee Wilson, John Lewis Wilson, John Robert Wilson, John Samuel A.B. 1936, LL.B. 1939 Fordham	74.1.	A.B.
University		Winslow
Wilson, Josephine Coleman	Va.	Winston
Wilson, Joyce Marguerite	T.	Winston
University Wilson, Josephine Coleman Wilson, Joyce Marguerite Wilson, Julia Wales A.B. 1929, Tusculum College Wilson Littel Edward	Tenn.	Winter, B.S.
	Md.	Winter,
Wilson, Louis	N.Y.	A.B.
Wilson, Louis Wilson, Mary Alice	Nebr.	Un
B.S. 1939, University of Neurala	Calif.	Winter, Winter,
Wilson, Orma, Ir.	D.C.	B.S.
Wilson, Noel Charles Wilson, Orma, Jr. B.S. 1942, Harvard University Wilson, Paul Randolph		Winter,
B.S. 1942, Harvard University Wilson, Paul Randolph	D.C.	Winters

Philip Harold in Ed. 1940, Illinois State ormal University D.C D.C Raymond Boyd Simon Newcomb 1939. Antioch College 1940, Fletcher School of Law Thomas Edwin Vera Hooker Vernon Claude Virginia Virginia 1947, Grinnel College William Clayton 1946, Allegheny College William Dean Frances William Va. Wyo. Maine Ala. Va. N.C. Obla. N.C. Obla. N.Y. N.D. N.Y. N.D. , Frances William eley, Claire Baker 1944, University of Alabama ow, Charles Franklin ne, Sidney Allen ill, Ralph Ellis s, Mildred Etta tran Pulm Mall m, Ruby Nell gland, Einar 1940, North Dakota State rachers College ar, Sophia Anita r, Noel Franklin Mins Math arah 1945. The George Washington riversity rg, John Walter nd, Robert Kenneth 1047. The George Washington niversity D.C. Ord-Ben James 1939, M.S. 1941, University of Vsd, Richard Buckner 1935, United States Naval ademy D.C Mary Elian 1948, University of Michigan Major Robert Claude 1935, United States Naval A. 1939, Harvard University
e, Florence
eld, Lester Ray
1 1023, University of Chicago
Lydia Hilldrup
1943, Mary Washington College ademy D.C. Ys. Va. Richard Brown Richard Brown man, Richard Henry 1937. Southampton College t, Joseph Fred r, Russell Marion v. Hamilton Maint D.C Pa. N.Y. 1948, Columbia University w, Lawrence Alden n. Anthony n. Thomas Harry Frank Ephraim 1943, University of Pittsburgh Kan Jane Washburn Municipal 1947. Washburn Municipal siversity Lewis Jasper Philip Hayward 1938, Wilson Teachers College Robert Edward Okla-PI-N.Y. Wallace Dudley

III.

Wireman Canal			
Wireman, Sara Jo Ann Wirth, John Alvin	Va.	Wolfenson, Jay Warren A.B. 1948, The George Washington	D.C
Wise, Elaine B.S. 1948, William and Mary Colle Wise, Robert Arthur Wise, William Arthur Wiseman, Ben Warren	Va.	A.B. 1948, The George Washington	
W.S. 1948, William and Mary Cally	D.C.	DIVERSITY	
Wise, Robert Arthur	Pa.	Wolff, Catherine Jean Wolff, Gerald Spaulding Wolff, Louis	N.J
Wise, William Arthur	D.C.	Wolff Louis	Utal
Wiseman, Ben Warren	W.Va.	Wolffe, Lenard	Va Va
Witness Committee Virginia University	tw	Wolffe, Lenard A.B. 1948, The George Washington	AT
Wismer, Ralph Merrill Wisner, Albert DeVis	Va.	University	
	465,	Wolford, Neil Edmondson	Va
Wisher I I De VOLA	Md.	Wolfsohn, Harold Barnet Wolfson, Eileen Bishins	Va
Willsler John C. Wald, Jr.	Md.	Wolfson, Eileen Bishins	Md
B.S in C.P.	Minn.	Wolfson, Reuben	N.Y N.Y
University Witcover 14		Wolfson, Ruth	N.Y
Witcover, Henry Wallace A.B. 1937, Duke University Witham, Robert Carey Withers, John Lewis B.S.	Calif.	A.B. 1937, Hunter College Wolin, Edward	DC
Witham 1937. Duke University	Carri.	Wolk, Morris O.	D.C.
Withers Tolert Carey	Md.	B.S. in Ch.E. 1936, Cooper Union	14101
Withers, John Lewis B.S. 1940, Davidson College A.M. 1941, University of North Withers	N.C.	Wolk, Reuben	Calif.
A.M. 1941 Havidson College		B.S. 1938. University of Maryland	
Withandina Carolina		Wolkeau, Jacob Alfred	Pa.
Witherspoon, Fred Lee, Jr. B.S. in M.E. 1941, University of W. Maryland	3.4.1	A.B. 1042, University of Pennsylvan Wollesen, David Leonard	ro a m
M.E. 1941. University of	Md.	Wollin Wasti French	D.C. D.C. N.Y.
Wishin Maryland		Wollin, Harold Frank Wolman, Harold	D.C.
Witkin, Eugene Witowaki	N.Y.	B.S. 1042 College of the City of	14.1.
With Sun 3.	D.C.	B.S. 1942, College of the City of New York Wolman, Pearl	
Witold, Lenore Witt, Aukana	Mass.	Wolman, Pearl	D.C.
Witt, Aubrey Calvin Witt, Betty Jo Witten, Sarah Caroline	D.C.	Wolman, Sidney Stanley Wolpoff, Stanley Gilbert Wolter, Elisabeth B	D.C. D.C. D.C.
Witt, Betty Io	Okla,	Wolpoff, Stanley Gilbert	D.C.
Witten, Sarah Caroline Witten, Sarah Caroline Wittens, Donald Myron Wittmus, Ronald Gordon	Pa.	Wolter, Elisabeth B	D.C.
Wittens, Donald Myron	Va.	Wolverton, Walter Hunter	Conn.
Wittmus, Ronald Myron Wnek, George	D.C.	Wolz, Charles I hompson	D.C.
Wodie	Va. Wis,	Wolverton, Walter Hunter Wolz, Charles Thompson B.S. in M.E. 1947, Virginia Polytechnic Institute	
Wodinsky, Isidore	Md.		DC
Widelity 2001 Diookiyh Chilego		Wone Fen Kwok	N.V.
Woehler, Arnold Benjamin B.S. in Ed. 1940, Southeast Missesser	Mo.	Wong, Hain Ping	DC
Teachers C. 1940, Southeast Missour	i	Wong, James Aubrev	DC
B.S. in Ed. 1940, Southeast Missour Woford, Clarence Arnold		Wong, Ting Heien	D.C. N.Y. D.C. D.C. D.C.
Wofford, Clarence Arnold BS, in E. E. 1942 Trave Callege of		Wong, Fen Kwok Wong, Hsin Ping Wong, James Aubrey Wong, Ting Hsien Wong, Wing Wood, Charles William	
BS. in E.E., 1942. Texas College of Wohl Paul Woidick, Frances DeSales	Tex.	Wood, Charles William	Pa. D.C. D.C. D.C.
Woll and Industries College of		Wood, Claire Mae Wood, Cora B. Wood, Edwin Charles	D.C.
Woidick, Frances DeSales Woidick, Frances DeSales	21.15	Wood, Cora B.	D.C.
BS Frances DeSales	N.Y.	Wood, Edwin Charles	D.C.
Woldka 945, Harvard University	D.C.	Wood, Ethel Martin	Tex.
Wolcott, Frances DeSales B.S. 1945. Harvard University Woidke, John Oliver Woltowiak. Raymond Alfred Wolcott, George Milton, Jr.	Va.	A.B. 1926, University of Texas Wood, Everett Eugene B.S. 1939, North Central College Wood, Gloria Murray	Va.
Wold, Henry Edward Wold, Henry Edward Wold, Henry Edward Wolf, Don Edward Wolf, Pfan, 1943, Bethany College	N.Y. D.C.	B.S. 1010 North Central College	Va.
Wold, Henry E Milton, Jr.	D.C.	Wood, Gloria Murray	Md.
Holf Don Figure	D.C.	Wood, Harry Eugene	SC
Wolf 1941. Besh and	W.Va.	Wood, Harry Eugene Wood, Harvey Earl	D.C.
AB 1947. University of Texas		Wood, Jack Guy Wood, James Nathan	S.C. D.C. D.C.
Wolf Gustave William	Md.	Wood, James Nathan	Va.
Wolf Joseph Jay	N.J. D.C. D.C.	A.B. 1935, DePauw University LL.B. 1938, Indiana University LL.M. 1942, The George Washington	
A.R. Jane	D.C.	LL.B. 1918, Indiana University	
wolf Lavy Jane A.B. 1947, University of Texas Wolf Mary Jean Wolf William Wolf, William Edward Wolfarth, Carlton Huntington Wolfe, Al Carlton Huntington	D.C.	LL.M. 1942, The George Washington	
Wolf Otto Vean	Okla.	University Wand John Food	NO
Wolf, William	Ohio	Wood, John Fred Wood, Julia Burton	N.C. D.C.
Wolf, William Edward	D.C.	Wood. Lloyd Fuller	Va.
Wolfarth, Carl Cammert, Jr.	Calif.	Wood, Lucy Alice	Wis.
Wolfe, Allen I and Huntington	D.C.	Wood, Robert Andrew	D.C.
wolf, William Edmert, Jr. Wolfarth, Carlton Huntington Wolfe, Allen Edmert, Jr. Wolfe, Allen Edmert, Jr. Wolfe, Allen Edmert, Jr. Wolfe, Charles Randolph Wolfe, 1943, University of Maryland Wolfe, Harvey Evertt Wolfe, Jos	Mo.	Wood, Robert Eugene	D.C.
	Va.	Wood, Robert Lukens, Jr. Wood, Robert Stephen	Va.
Wolfe Weene Noel		Wood, Robert Stephen	D.C.
Wolfe, Harvey Everet Wolfe, Harvey Everet A R De Patrick	W.Va.	Wood, Stella Draper	Ind.
n.A.B Joe Patrick	N.Y.	Wood, Walter, Henderson	D.C.
Wolfe M943. Hillsdale College	Md.	Wood, Willis John	D.C.
A.B. Mary College	20	Woodall, Diana Dorothy	Va.
wolfe, Hawre Noel Wolfe, Joseph Patrick Wolfe, Joseph Hilladale College A. B. 1943, Hilladale College A. B. 1941, St. Joseph's College for	D.C.	Woodard, Douglas Dutro	III.
And Contain 195		A.B. 1048, Brigham Young University Woodard, Frank Jones	241
		Woodaid, Frank Jones	Md.

			Okla.
Woodard, Geoffrey Dean Leroy	Va.	Worley, Richard Bryce	Va
B.S. 1939, The George Washington		Wormald, Marion Frances	4.00
University		B.S. 1948, Virginia Polytechnic	
Woodard, Joseph Harold	Va.	Institute	D.C.
Woodbridge Kehn Mary	Va.	Worns, John James B.S. 1937, University of Wisconsin Worthington, Phyllis Lee A.B. 1948, The George Washington	
B.S. 1941, Farmville State Teachers		Washington Phyllis Lee	Md
College	77.	A B 1048 The George Washington	
Woodburn, Charles Stephen Woodbury, Wallace Richards	Pa.	University	-0
Woodbury, Wallace Richards	Utah	Wortman, David Morris	D.C.
A.B. 1947, University of Utah Woodcock, Wilford Lee Wooddell, George Preston Wooden, Donald Gminder Wooden, Donald Gminder	Va.	A.B. 1948, The George Washington	
Woodcock, Willord Lee	Fla.	University	D.C.
Wooddell, George Preston	Md.	Wostein, Benjamin	יאנע
Wooden, Donald Gminder	Conn.	A.B. 1948, The George Washington	
Woodhouse, Margaret Wark A.B. 1046, University of North		University	p.C.
Carolina		Wower, George E.	Ark.
Woodbull John Hawley	N.Y.	Wower, George E. Wray, James Lahan Wren, Donald George	Man-
Woodhull, John Hawley B.S. in E.E. 1942, Tufts College	-	Wren, Donald George	D.C.
Woodling Francis Albert	Pa.	Wrenn, Ernest Bernard, Jr.	Tes.
A.B. 1946, The George Washington		Wright, Archie Taylor, Jr. B.S. 1933, United States Naval	
Iniversity	N.Y.	Academy	20
Woodman, Philip Colby	Md.	Weight Berkeley	D.C.
Woods, Carroll Henry	Mass.	Wright, Carney Willis	n.C.
Woods, Carroll Flenry	Segmen.	Wright, Berkeley Wright, Carney Willie Wright, Delton Houston	D.C. D.C. III.
A.B. 1942, Dartmouth College	Idaho	Wright, Dorothy Jane	
Woods, Gayle B.S. in C.E. 1948, Oregon State		Wright, Dorothy Jane A.B. 1947, The George Washington University	
		University	D.C.
Woods, Glennyth Margaret Woods, Harlan LeRoy	Colo.	Wright, Isabelle Marie Wright, Jeanne Elizabeth	N.K.
Woods, Harlan LeRoy	D.C.	Wright, Jeanne Elizabeth	-0.10
Woods, Mary Gordon	D.C.	A.B. 1941, Smith College Wright, Martha Gertrude	Ohio
A.B. 1944. University of Illinois	0.17	B.S. 1945, New York University	Va-
Woods, Mary Gordon A.B. 1944, University of Illinois Woods, Receil Marshall	Calif.	Wright Melton Fisher	100
	Va.	A.B. 1945, Bob Jones University	S.D.
LL.B. 1948, The George Washington		Wright, Patricia Jean	S.D. D.C.
University	Ohio	Wright Pauline	Md
Woods, Virginia May	D.C.	Weight Walter John	PL
Woodson, Joseph Bernd		Wright, Willard Alden Wright, Willard Wilson	Va
B.S. 1944, Swarthmore College Woodward, Charles Byron Woodward, John Richard Woodward, Kenneth Emerson	Va.	Wright, William Wilson	
Woodward John Richard	Va.	D.S. In Ed. 1941, University of	4
Woodward, Kenneth Emerson	D.C.	Virginia	N.S.
	N.H.	Wrobel, Joseph Norman	D.C
Woodward, Lawrence Godfrey	Va.	Wroblicka, William	D.V
Woodward, Lawrence Godfrey A.B. 1948, The George Washington		Wrong, Elizabeth June A.B. 1947, University of Toronto	Pa
University	D.C.	Wroth, Ralph Lane	
Woodward, Mary Eleanor	D.C.	A.B. 1947, Kenyon College	DC
Woodward, Nancy Hanck A.B. 1945, The George Washington	D.C.	Wu Hui Chen	
A.B. 1945, The George Washington		A.B. 1943, National Tsing-Hua	
University Physics	D.C.	University, Peiping, China	Chies
Woodward, Thomas Plunkett		Wu. William	Calif.
B.S. 1941, The George Washington University		Wulf, James Theodore	N.Y.
Woodwell, Jessie Alden	Md.	Wulf, James Theodore Wulf, Pearl Elizabeth	
A.B. 1945, Middlebury College		Wulff, Walter Gilbert	
Wollard, Raymond Morgan	Va.	A.B. 1947, A.M. 1948, University of	D.C.
Wollard, Raymond Morgan Wooldridge, William Abbit	Va.	Michigan	Yad.
Woolley, Edwin Richard	Md.	Wunder, Newton Andrew Wurz, Nelson Hugh	D.L
Woolley, Ruth Conant	D.C.	Warner Rose Agnes	Va.
Woolley, Edwin Richard Woolley, Ruth Conant Woolla, Elizabeth Burns Woolla, Elizabeth Burns	Va.	Wurzer, Rose Agnes Wyche, Benjamin Walker III	
B.S. 1947, St. Joseph & College 101		B.S. 1943, Virginia Polytechnic	20
Women	Va.	Institute	Okla.
Woolls, William Pape, Jr.	Tex.	Which . Dishard Thomas	-18
Wooten, Claude L.		A.B. 1918, University of Opportunity	S.C.
A.B. 1942, Sam Houston State Teachers College		Wyekoff, Donald Latham	D.
Wantien Charlotte France	Ark.	Wyeth, George Austin, Jr. A.B. 1037. Yale University	p.C.
A.B. 1938, Arkansas State College Wooters, William Richard		A.B. 1017. Yale University	Md.
Wooters, William Richard	Md.	Wygod, Catherine	
Worden, Dwight Geer	N.Y.	Wylde, Ronald James A.B. 1942, Washington University	Pa.
Worden, Eloise Trott	Fla.	Warman Carl Orig	Mass.
Worden, Eloise Trott A.B. 1939, University of Florida	342	Wyman, Carl Otis Wyman, Charles Malcolm	
Workinger, George Samuel	Md.	White Charles Marcon	

Wymba p			
Wymbs, Roy Paul	Va.	Yocum, Howard Adam	Pa
Wymore, Max Loe B.S. 1942, University of Richmond	W	A.B. 1948, Allegheny College Yohn, Edna Mae	
B.S. 1947. University of Kansas Wynkoop, Jeanne Simonds Wynn, Harvey Nickles Wynne, Dorothy Rosabel Wyner, James, Jr.	Kame;	A R 1005 Innists College	Pa
Wynkoop, Jeanne Simonda	D.C.	A.B. 1935. Juniata College Yoho, Bill Lee	Md.
Wynne Harvey Nickles	D.C.	Yolles Dorothy	N.Y.
Wyner, James, Jr. A.B. 1940, Princeton University	Md.	York, Edgar Duane York, Emil Conrad	Md.
A.B. James, Jr.	Md.	York, Emil Conrad	D.C. III. D.C.
1940, Princeton University		York, Jack York, Lawrence Robert	III.
X		York, Columbia	D.C.
^		York, Ody Des York, Robert Lamas	Tex.
Xydias, Blaise Kent	D.C.	York, Robert Lamar York, Warren Monroe, Jr.	D.C. D.C. D.C.
		Yost, Charles Francis	D.C.
Y		B.S. 1947, The George Washington	
Yabroff, Bernard	97.	University	D 0
B.S. 1939, College of the City of Yakerhofer, Fred Charles	Va.	You, William Adams	D.C.
Yank York		Youmans, James R. Younes, William Gabriel	Va.
	D.C.	Young, Catherine Marie	D.C. Calif.
Yaso, Marvin Harris Yale, John Lawis	D.C.	Young, Charles Edward	Pa.
B 6 spen 13	D.C.	Young, Craig Albertus	W.Va.
Yale, Marvin Harris Pale, John Lewis Pale, 1930, Columbia University Palom, Isador David Palom, Isador David	D.C.	Young, Donald Earl	Pa.
to the Language Washington	D.C.	A.B. 1948, The George Washington University	
		Young, Dorothy Pond	Ohio
Yaman Kuth	D.C.	Young, Dorothy Pond Young, Edward Everett, Jr.	D.C.
Yamamoto, Fumie Fuke	D.C.	Young, George Ellis	Ohio
Yamamoto, Ioan Mintel	PLEMBII	Young, George Wesley	Md.
YA.B. 1946, Antioch College	Md,	Young, Ina Marie	D.C.
Yamamoto, Kenneth K	Md.	RS 1042 Case Institute of	Ohio
Amamoto, Fumie Fuke Amamoto, Joan Nickel A.B. 1946, Antioth College Amamoto, Kenneth K. Amamoto, Kenneth K. A.B. 1946, University of Haweil	Hawaii	Young, George Ellis Young, George Wesley Young, Ina Marie Young, Jack Martin B.S. 1943, Case Institute of Technology Young, Lack Roland	
Yant '940, University of Hawaii		Young, Jack Roland	III.
Yamulky, Perihan Aziz A.B. 1942, American University of	Maine	Young, James Rowland	D.C.
A.B. 1040 A.	D.C.	Young, Jeanne Aglae Loring	D.C.
Yan Beirut		Young, Jack Roland Young, Jack Roland Young, James Rowland Young, John Henry Young, Josephine Black Young, Mary Catherine	D.C. D.C. D.C. D.C.
Yanagi, Wallace Tadao	Hawaii	Young Mary Catherine	Va.
Yancey, Winifred Lee B.S. 1932, Kanasa State Teachers	Tenn.	Young, Maynard Fling	W.Va.
B.S. 1932, Kansas State Teachers		Young, Maynard Fling Young, Norma Elizabeth	D.C. N.Y.
Yannella, Anthony Yanowitz, Arthur	20.00	Young, Olive Emily	N.Y.
Yanowitz, Arthur	N.Y.	A.B. 1929, A.M. 1930, University of	
Variorough, Joseph Bening 1999	D.C.	Hochester Young, Regins M.	Ohio
Yarbrough, Joseph Benjamin III Yarbo, Leroy Mills Yates, Charles James, Jr. Yates, William Ayery, Jr.	N.Y. D.C. D.C.	BS toto Ohio State University	Onio
Yas Charles James I-	Va	B.S. 1929, Ohio State University A.M. 1945, The George Washington	
Yavener, Burton Yavener, Burton Yavil, Minnie	Va.	University	
Yavil, Minnie	N.J.	Young, Robert	D.C.
Valle, Irene Etinghand	Pa.	A.B. 1948, The George Washington	
yesser, Mary Ann Yesker, Maliy Brand A.B. 1939. University of Arisona Yesman, Rebecca Alice Re. Morgan Gales	D.C.	University Young, Robert Stanley	Va.
AR Philip Brand	Va.	Young, Sage Young, Virginia Gwathmey A.B. 1947, The George Washington University	China
Yeaman, Rebecca Alice Res. Morgan Gales	4 61	Young, Virginia Gwathmey	Va.
Yestes, Morgan Gales 8.5, 1941, Virginia Belevashaia	D.C.	A.B. 1947, The George Washington	
B.S. 1941 Vision Gales	Va.		241
Yat Institute		Younger, Edward Francis, Jr. Younger, William Edward	Md. Tenn.
Ind Junn Joseph	D.C.	A R tota University of Chattangore	I enn.
You Lincoln Gin Sing You Richard Hong	Conn.	A.B. 1948, University of Chattanooga Youngman, Shirley Louise Youngman, Wilbur Hughes, Jr.	Md.
Yee, Richard Hong	Ohio	Youngman, Wilbur Hughes, Jr.	Calif.
Yeide Frank Hong	D.C.	Younker, Leura	D.C.
	D.C.	Yount, Dean Burdette	Okla.
	D.C.	B.S. 1932, Oklahoma Agricultural and Mechanical College	
Yel. 1942. Hains	Tex.	Yount, Joseph Herman, Jr.	Ohio
Yeston, F Brilversity of Texas		A.B. 1948, Oberlin College	
Yeach: Thomas Will:	N.C.	A.B. 1948, Oberlin College Yowell, Earl Reddish	Va.
	R.I.	Yowell, Frankie Anne	Md.
Yant 1930 Ol :	Ohio	Yudkin, Samuel Yudkoff, Herman	Conn.
Tocam Charie	W.Va.	Yudkowsky Berry Maries	N.J.
Yoczan, Cellie Marie Gloria Arden	N.J.	Yudkowsky, Betty Harriet Yuan, Joseph Ying	D.C.
	00.30	The state of the s	

The University Record

	261
Yuill, Charles Walter, Jr. D.	C. Zervakos, Straty
Yung Kwai, Anne D.	C. Zeydel, Jeanne Randolph D.C.
B.S. 1940, University of Michigan	Zichterman, Harry William D.C.
Variable languages	
Yurman, Aivin Irving N.	V 7 11 E
Yurwitz, Julius l'eter D.	C Zienlas Harman Losenh
B.S. 1939, The George Washington	Zianles Laisen Lindia
University	Zineles Norman Gana
Z	WP
	7 ahl Wilhus Hansy
Zabiegalski, Anthony, Jr.	2 7.6 D. bard Newton
A.B. 1949, Wilkes College	7
Zachary, Richard Lugene D.	C 711 Hills Issuebing
Zaheer, Syed Kazim	C 2 Anthro Bahan
B.S. 1948, Northwestern University	D. C.
7-1 Charles	Do of Doillean
Zaid, Charles A.B. 1933, Temple University	D.C.
7-1 sing Arm	
	Id. Zimmerman, Maud-Ellen
Zalucki, Laura Florence Ma	A D C 1 C 11
Caracti, Canta a roterio	7.2. 1937,
Edition of retain Dates	N. I
Zampell, Roger John B.S. 1932, Massachusetts Institute of	Zinn, Frank B.
Tashaalaay	Zinn, Myron Bernard
Technology Zanelli, Attend N.	Y. Ziobro, Stanley Robert B S 1942, The George Washington
Zanelli, Attred Zangrilli, Joseph	A Dr. 1992' sure consider transfer
Earlight IIII, Joseph	
Cannel, Moute II man	C Zipin, Zeati
Cattlet, Car. 11.	
Eanthir, Candido : ccc	W.D. 1947, The George Washington
Ziapoteco, Gene Seon	Chiversity
Auton, william Janes	Citatri, Atrica Atarias
Zandus, minim crepmen	Zitomer, Joseph N1
Caratra, Richard Contract	in. Zlotnick, Jack
	Zoll, Nathan Hyman Pa
B.E.E. 1942, Yale University	C. Zolyak, John N.Y.
	2. Zorn, Otto Godfrey Man
Lavacky, stary Incress	C Zorzy, John Pa
	2. Zubeck John Thomas
Zbiec, Wanda Antomette	Zucke, Joshua DC Zucker, Harold Scheff NY C. Zucker, Isidore NY C. Zucker, Morton David NJ
A B 1916, Bethany College	/a. Zucker, Harold Scheff
Zen, Dilly Reid	C. Zucker, Isidore
Columet, Littlip in.	C. Zucker, Morton David
Zierkier, Jezitting tritteren	8. Zuckerman Martin lav
Zelaska, Ralph Rudolph	
B S. 1940. The George Washington University	Zuesse, Marin Lewis Md
University	Zugby, Emile
Zeiinski, John wald	Zugel, Francis Kopp
Zerkovitz, Sain	Zugel, Mary Jean Edna DC
Centilizaski, Didito John	
	Aulieve, Adele Esther
A.B. 1945, University of Puerto	Zuniga, Maria
Rico Dunta Di	T : 0 11 F
Zeno, Luz Violeta Puerto Ri	70 1 12 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1
allis, reducti transcrip	C. Zurcher Clarence Times
	DC 1010 Iniversity of Oregon NI
BS. 1937. New York University	C. Zweibel, Sidney A.
Zerbee, Jean Moure D.	
A.B. 1947, St. Mary of the Springs	Zysk, John Joseph

SUMMARY OF REGISTRATION

SUMMER TERM 1948 FALL AND WINTER TERMS 1948-49

THE JUNIOR COLLEGE

THE JUNIOR COLL	75G5		
Frank.	Men	Women	Total
Freshmen	1.865	761	2,626
Sophomores	2,272	823	3,095
	4,137	1,584	
	4,13/	1,504	5,721
Columbian Colle	GE		
Juniore Seniors	370	256	626
	341	237	578
	310	180	490
Candidates for the degree of Master of Science.	87	52	139
			- 139
	1,108	725	1,833
THE GRADUATE COL	INCIL		
Candidates for the degree of Doctor of Philosophy	40		-0
and angles of Doctor of I mosophy	49	9	58
THE SCHOOL OF MEDI	ICINE		
Pint Van			
Second Year Third Year	89	4	93
tille V	73	8	81
Out of the contract of the con	68	10	78
Tear	59	9	68
	289	31	320
THE LAW SCHOOL	L		
First Year	1,004	82	1.086
Second Year Third Year Candia	809	46	855
Third Year Candidates for the degree of Master of Laws	425	20	
Candidates for the degree of Master of Laws	150		445
notates for the degree of Master of Com-	130	5	155
parative Law Candidates for the degree of Dester of Indicate	16	2	18
	16		
Unclassified	64	I	17
			65
	2,484	157	2,641
(400)			

534 The University Reco	ord		
THE SCHOOL OF ENGINE	ERING		
	560	. 3	563
Freshmen	480	2	482
Juniors	322	3	325
Seniors	220	x	Z21
	1,582	9	1,591
THE SCHOOL OF PHARM	MACY		
	49	5	54
Junior Seniors	23	. 2	25
Seniors			79
	72	7	19
THE SCHOOL OF EDUC	ATION		
	4.5	75	120
Juniors	45	101	141
Seniors Candidates for the degree of Master of Arts	120	130	250
Candidates for the degree of Doctor of Education	37	10	47
Candidates for the degree	242	316	558
Course of Course	ALL ARDIT		
THE SCHOOL OF GOVERN	NMENT		490
Juniors	465	55	520 347
C-mines	308	39	320
Candidates for the degree of Master of Arts	260	60	-
	1,033	154	1,187
THE DIVISION OF UNIVERSIT	TY STUD	ENTS	
	2,685	1,602	4,287
University Students	-,,	,	
THE DIVISION OF SPECIAL	STUDEN	TS	
	1.782	288	2,070
Special Students	297		
SECRETARIAL ADMINIST	RATION		
Candidates for the degree of Bachelor of Science			3
in Secretarial Administration	0	3	
SUMMARY			- 1027
Students Registered, Academic Year 1948-49	17,788	5,949	23.737
Duplicate Registrations	5,636	7,688	13.3
Total Number of Students Registered Aca-			20,348
demic Year 1948-49	15,463	4,885	2017

Summary of Registration	535
Students Registered, Summer Sessions 1948 3,311 6,624	9.935
Total Registration and	22 672
	33,672
Professional TEACHING STAFF	
Professors Emeritus Professors	- 1
- AUTUNCT Profession	
Clinical Profession	. 90
Adjunct Clinia Dad	. 25
Associate Clinical Dec	43
Associates in the School of Madicine	2
Assistant Professors Assistant Clinical Professors	53
Columns	34
Instructore	103
Clinical Instructors Research Associates	113
Associates	3
Fellowe	120
Technical Assistants	11
DEGREES CONFERRED	
Associate in Arts. Bachelor of Arts. Bachelor of Arts in Education	1.076
Dachelos of A	460
Dachelor of C.	406
Dachelor of C.	79
Bachelor of Civil Engineering. Bachelor of Electrical Engineering.	16
achelor of he	65
Tel Dele-	59
delle - Co.	33
	20
	4
Master of Arts.	273 58
Master of Arts in Education Master of Arts in Government Master of Science.	95
Master of Science. Master of Laws.	55
Jurie 1 OI Laws.	38
Octor of Juridical Science	21
Doctor of Juridical Science. Doctor of Medicine. Doctor of Education.	69
Octor of Medicine. Octor of Education Octor of Philosophy	3
· unosophy	5

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

United States, Territories, and Possessions

5.1.5	0.7	Nevada	23
Alabama	71	New Hampshire	91
Arizona	38		367
Arkansas	64	New Jersey	32
California	292	New Mexico	1,320
Colorado	40	New York	165
Connecticut	192	North Carolina	35
Delaware	23	North Dakota	
District of Columbia	7,622	Ohio	390
Florida	174	Oklahoma	93
Georgia	77	Oregon	51
Idaho	25	Pennsylvania	1,009
Wald A	120	Rhode Island	54
Illinois		South Carolina	54
Indiana	117	South Dakota	35
lowa	134	Tennessee	107
Kansas	86	Texas	210
Kentucky	78	Utah	34
Louisiana	32	Vermont	19
Maine	60		3,174
Maryland	2,200	Virginia	55
Massachusetts	308	Washington	207
	122	West Virginia	123
Michigan	96	Wisconsin	19
Minnesota		Wyoming	10
Mississippi	58	Hawaii	41
Missouri	159	Puerto Rico	1
Montana	31	Alaska	1
Nebraska	91	Guam	

FOREIGN COUNTRIES

Australia	Iran
Belgium	Israel
British Guiana	Italy
Brazil 5	Mexico
Burma 1	Netherlands
Canada 8	Nicaragua
China 19	Norway
Colombia	Panama
Cuba	Philippines
Ecuador 1	Poland
Egypt	Portugal
England	Romania
France 1	Samoa
Germany	Siam
Greece 4	Sweden
Guatemala	Turkey
Honduras	Uruguay
Iceland	Venezuela
India 1	West Indies





THE SCHOOL OF EDUCATION
1949-50



THE GEORGE WASHINGTON UNIVERSITY

BULLETIN

Vol. XLVIII

No. 6

THE SCHOOL OF EDUCATION

WASHINGTON, D. C.

PUBLISHED IN SEPTEMBER MCMXLIX

BY THE UNIVERSITY



CALENDAR 1949-50

CALENDAR OF THE SCHOOL OF EDUCATION

1949-50

Date	Day	Occasion
1949		
FALL TERM: Sept. 28-30.	Wednesday through Friday	Registration
Oct. 3 Oct. 14	Monday	Academic year begins Thesis subjects of February Master's candidates due
Oct. 15	Saturday	Applications for Doctoral and Masser's October comprehensive
Oct. 21	Friday	Dissertation subjects of May Doctoral candidates due
Oct. 22	Saturday	Comprehensive examinations for Doctoral and Master's candidates Bachelor of Arts activities plans due
Nov. 4 Nov. 11 Nov. 24-26.	Thursday Thursday through	Fall Convocation. Holiday
Dec. 10	Saturday	Thanksgiving recess Applications for Doctoral and Marter's January comprehensive examinations due
Dec. 22- Jan. 2	Thursday through Monday	Christmas recess
1950		1.120
Jan. 3	Tuesday	Applications for February gradus-
Jan. 6	Friday	
Jan. 7	Saturday	Comprehensive examinations for Doctoral and Master's candidates
Jan. 23	Saturday	Last day of classes for the fall term Theses of February Master's candidates due
Jan. 23-31	Monday through Tuesday	Fall term examination period
WINTER TERM:		
Feb. 2 and 3. Feb. 6 Feb. 17	Thursday and Friday Monday Friday	Classes resume for the winter

CALENDAR OF THE SCHOOL OF EDUCATION-Continued

Date	Day	Occasion
Fal		
Feb. 22 Feb. 25		Winter Convocation. Holiday
-55	Saturday	Activities plans due from Bachelor of Arts candidates entering the School
March II		in February
merch II	Saturday	Applications for Doctoral and Mas- ter's April comprehensive examina-
March 18		tions due
	Saturday	Dissertation subjects of November
April 7		Doctoral candidates due
April 14	Friday and Saturday	Easter recess Dissertations of May Doctoral can-
4.00	riday	didates due
		Dissertation subjects of February Doctoral candidates due
April		Applications for May graduation due
April 15		Comprehensive examinations for Doc- toral and Master's candidates
April 24	Monday	Theses of May Master's candidates
May 8	Monday	due Summer term pression of au
May 16		Summer term preregistration of stu- dents registered winter term
		Last day of classes for the winter
May 17-25.	Wednesday through	term
May 28	Thursday	Winter term examination period Baccalaureate Sermon
May 31	Sunday Wednesday	Commencement
S		
SUMMER TERM:		
June 5	Monday	Paristancian of same and same for all
June &		Registration of new students for the first session and the 15-week term
June 12	Tuesday	Classes begin
June so	Monday	Registration and first day of classes
July 3	Friday	Pre-session ends
July 12	Monday	Registration and first day of classes of 6-week session
****	Wednesday	Applications for Doctoral and Mas- ter's July comprehensive examina.
July 26.	787 0	tions due
July 47	Wednesday	Comprehensive examinations for Doc- toral and Master's candidates
Aug 31	Monday	First summer session ends
Aug. 2	Tuesday Wednesday	Registration for the second session Classes begin
		Classes Ockin

CALENDAR OF THE SCHOOL OF EDUCATION-Continued

Date	Day	Occasion
Aug. 7 Aug. 11 Aug. 14 Aug. 21 Aug. 28 Sept. 1 Sept. 4 Sept. 15 Sept. 22 Sept. 27-29.		Applications for November gradustion due Six-week session ends Registration and first day of classes of post-session Dissertations of November Doctoral candidates due Theses of November Master's candidates due Post-session ends Labor Day. Holiday Fifteen-week term ends Second summer session ends Registration for the fall term of the academic year 1950-51

THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President and Vice-President of the University ex officio and the following persons by election:

Robert Vedder Fleming, LL.D., Chairman Henry Parsons Erwin, A.B., Secretary *Newell Windom Ellison, A.B., LL.B., Assistant Secretary

Avery DeLano Andrews, B.S., LL.B. Clarence Aiken Aspinwall Lyman James Briggs, Ph.D., Sc.D., D.Eng., LL.D. John St. Clair Brookes, Jr., A.M., LL.B. John Henry Cowles, LL.D. Homer Cummings, Ph.B., LL.B., LL.D., L.H.D. *Watson Davis, B.S. in C.E., C.E. Mrs. Joshua Evans, Jr., A.B., Ed.D. *Robert Elliott Freer, A.B., LL.M. Charles Carroll Glover, Jr., A.M., LL.B. Gilbert Grosvenor, A.M., LL.D., Litt.D. *Brooks Hays, A.B., LL.B., LL.D. John Edgar Hoover, LL.M., LL.D. Frank Atherton Howard, B.S. in M.E., LL.B. Alfred Henry Lawson, LL.B. Benjamin Mosby McKelway *Claude Worthington Owen, LL.M. Mrs. Henry Alvah Strong, LL.D. Walter Rupert Tuckerman, A.B., LL.B. Alexander Wetmore, Ph.D., Sc.D. *Charles Stanley White, M.D., Sc.D. Lloyd Bennett Wilson

Nominated by the alumei.

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

Cloyd Heck Marvin, Ph.D., LL.D., President of the University Ulysses S. Grant, 3d, B.S., Graduate United States Engineers School,

Vice-President
Harold Griffith Sutton, M.S., Director of Admissions
Fred Everett Nessell, A.B., Registrar; Secretary of the Faculties
John Russell Mason, B.S. in L.S., A.M., Librarian; Curator of Art
Myrna Pauline Sedgwick, A.B., Administrative Secretary
Henry William Herzog, B.S., Comptroller
Donald Blanchard, B.C.E., Business Manager
Claud Max Farrington, A.M., Director of Activities for Men
Virginia Randolph Kirkbride, A.M., Director of Activities for Women
Alan Thomas Deibert, A.M., Adviser to Students from Foreign Coun-

Mitchell Dreese, Ph.D., Dean of the Summer Sessions

Daniel LeRay Borden, A.M., M.D., Director of Health Administration
Ruth Harriet Atwell, A.M., Director of Physical Education for Women
Lester Allan Smith, A.M., Director of Alumni Relations
John Rust Busick, A.B., Director of Public Relations

Don Carlos Faith, A.B., Director of Veterans Education

THE FACULTY AND STAFF OF **INSTRUCTION***

THE SCHOOL OF EDUCATION

Cloyd Heck Marvin, Ph.D., LL.D., President of the University James Harold Fox, A.M., Ed.D., Dean of the School of Education

Henry Grattan Doyle, A.M., LL.D., Litt.D., Professor of Romance Languages

Ruth Harriet Atwell, A.M., Professor of Physical Education for Women Frank Mark Weida, Ph.D., Professor of Statistics

Mitchell Dreese, Ph.D., Professor of Educational Psychology

James Harold Fox, A.M., Ed.D., Professor of Education

Thelma Hunt, Ph.D., M.D., Professor of Psychology

Frances Kirkpatrick, A.M., Professor of Home Economics

William Henry Myers, A.M., Professor of Physical Education for Men

Burnice Herman Jarman, A.M., Ed.D., Professor of Education

Chester Elwood Leese, Ph.D., Professor of Physiology

William Cullen French, Ph.D., Professor Emeritus of Education in

Meredith Chester Wilson, B.S., Adjunct Professor of Education Ruth Coyner Little, Ph.D., Professorial Lecturer in Education Ray LaForest Hamon, Ph.D., Professorial Lecturer in Education Benjamin Franklin Kyker, A.M., Professorial Lecturer in Education Charles Edward Bish, A.M., Ed.D., Professorial Lecturer in Education Henry Fred Alves, A.M., Professorial Lecturer in Education

Cecil Wentworth Morgan, Ph.D., Professorial Lecturer in Physical Edu-

Bernath Eugene Phillips, Ph.D., Professorial Lecturer in Physical Edu-

Robert Floyd Cromwell, Ed.D., Professorial Lecturer in Education Robert Wendell Eaves, A.M., Ed.D., Professorial Lecturer in Education Harold Mehrens, A.M., Ed.D., Professorial Lecturer in Education Helen Bennett Lawrence, A.M., Associate Professor of Physical Educa-

tion for Women

Kathryn Mildred Towne, A.M., Associate Professor of Home Economics Elizabeth Burtner, A.M., Associate Professor of Physical Education for

The President of the University, the Dean of the School, the Registrar of the University, the Assarant Professors, Adjunct Professors, Associate Professors, 2 On leave of Absociate Professors and Instructors constitute the Faculty. On leave of absence 1949-50.

Joseph Henry Krupa, M.S., Associate Professor of Physical Education for Men

Blake Smith Root, A.M., Ed.D., Associate Professor of Education Ralph Windsor Ruffner, A.M., Ed.D., Associate Professor of Education Dorothy Helene Veon, Ed.D., Assistant Professor of Secretarial Studies Virginia Loretta Dennis, A.M., Assistant Professor of Physical Education for Women

Raymond George Hanken, B.S. in P.E., Assistant Professor of Physical Education for Men

Marjorie Tate, A.M., Assistant Professor of Physical Education 101 Women

Vincent James DeAngelis, B.S. in P.E., A.M. in Ed., Assistant Professor of Physical Education for Men

Jane Frost Hilder, A.M., Lecturer in Education, Director of Reading Clinic

Madaline Kinter Remmlein, Ph.D., J.D., Lecturer in Education *LuVerne Crabtree Walker, A.M., Lecturer in Education *Helen Barton Goodwin, A.M., Lecturer in Education Ralph Waldo Foster, A.M., Lecturer in Physical Education Camilla Painter Luecke, A.M., Lecturer in Education Florence Mary Lumsden, A.M., Ed.D., Lecturer in Education William Samuel Rumbough, A.M., Lecturer in Education Cannon Chiles Hearne, A.M., Lecturer in Education Harold Maurice Wilson, A.M., Lecturer in Education Shirley Smith, A.B., Instructor in Physical Education for Women Marie Marguerite Neeb, A.M., Clinician, Reading Clinic

COMMITTEES

THE DEAN'S COUNCIL §

1050 Dorothy Helene Veon Ralph Windsor Ruffner

1951 Thelma Hunt Frances Kirkpatrick Frank Mark Weids 1952 Elizabeth Burtner

COMMITTEE ON ADMISSIONS AND ADVANCED STANDING

The Dean of the School, Chairman

Harold Griffith Sutton Frances Kirkpatrick William Henry Myers

Frank Mark Weida Burnice Herman Jarman Ruth Harriet Atwell

& Elected by the Faculty.

³ The President of the University and the Dean of the School of Education are members of the Conversity and the Dean of the School of Education are members of the Education are members of the Education are members

GENERAL INFORMATION

INTRODUCTORY

It is the purpose of the School of Education to prepare teachers, supervisors, and administrators for the higher ranges of educational service and to offer opportunities to teachers of experience to extend their education. The School includes the departments of Education, Physical Education, and Home Economics.* It offers both graduate and undergraduate work. Other departments of the University provide general education and subject-matter courses needed for a well-balanced program of teacher education.

The schedule of courses is arranged to meet the convenience of both full-time and part-time students. By attending evening, Saturday, and summer classes, teachers in the schools of Washington and the vicinity may complete all the requirements for a degree without giving up their

To help children and adults with reading difficulties, the School of Education operates a reading clinic for diagnosis and treatment.

HISTORICAL DEVELOPMENT

The University began offering professional courses for teachers in 1904-5 and in 1907 it established a Division of Education. In 1909, the Division of Education became the Teachers College which, in its early Years, was concerned largely with teacher preparation on the undergraduate level.

In 1928, the Teachers College became the School of Education and greater provision was made for advanced study. Since that time the graduate enrollment has steadily increased with the result that today the School has a considerably larger number of graduate than undergraduate students.

ADVANTAGES OF STUDY IN THE NATION'S CAPITAL

Washington is rich in the resources needed by teachers to supplement classroom instruction. In addition to the library facilities of the University versity, the Library of Congress, the Library of the Office of Education, and many special collections provide unexcelled opportunities for reading and research. The operation of all branches of the National Government etnment may be observed. Among the art galleries are the National Gallery of Art, the Corcoran Gallery of Art, the Freer Art Gallery,

The Department of Home Economics offers a curriculum in home-making. Its program is described in a special announcement.

Phillips Memorial Gallery, and the National Museum. The winter concerts and the summer Watergate series of the National Symphony Orchestra delight lovers of good music. Those interested in science find many resources for study at the National Museum, the National Zoological Park, the United States Botanic Garden, and the Aquarium of the Fish and Wildlife Service, Department of the Interior. Teachers have unique opportunities to become acquainted with the work of the Office of Education, the National Education Association, the American Cmuncil on Education, and many other national organizations with headquarters in Washington.

ACADEMIC STATUS

The George Washington University is on the final approved list of the Association of American Universities. This fact not only assures to students the academic standards of this association, but also is important to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agence the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women.

The School of Education is a member of the American Association of Colleges for Teacher Education and was a charter member of the National Association of Colleges and Departments of Education prior to the merger of that association with others to form the American Association of Colleges for Teacher Education.

PROGRAMS FOR THE EDUCATION OF **TEACHERS**

PROGRAMS LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION FOR MEN

There are three curricula leading to this degree. The Dual-Major Teacher's Course is designed to prepare students for teaching positions in smaller schools where it is necessary to teach an academic subject in addition to physical education. The Single-Major Teacher's Course prepares for the teaching of physical education in the larger schools. The Physical Education and Recreation Course has been planned for those who wish to be prepared to direct programs of recreation in addition to the teaching of physical education.

The following courses, to be taken in the Junior College, are required

for admission to the School of Education:

Englis.	Credit Hours
English 1-2	. 6
English English 1-2 History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 or Social Studies History 20-40 71-72 Political Science O-10 0-10 0-10 0-10 0-10 0-10 0-10 0-10	
Social Studies History 39-40, 71-72, Political Science 9-10, or Sociology 1-2 (Freshman year).	
Economics, History, or Political Science (Sophomore	
Scient Vear)	6
Science year) Physical Education Physical Education for Men 1-2 (Freshman year)	5 05 8
Physical Education . Physical Education for Men 1-2, 11-12	8
Curriculum Electives. Physical Education for Men 1-2, 11-12	0
, 4, 4, 4, 4,	
Physical Education 45-46, 49, 58; Speech 21 (Soph-	12
To out of year)	14
Elective omore year)	
year).	

Freshman year36 or 38 Sophomore year 32

The minimum requirements for this degree are 66 credit hours, distributed as follows:

Dual Major Teacher's Course

JUNIOR YEAR	Credit Hours	SENIOR YEAR Hou
Society and the School. Education electives Play in Education and Recreation Introduction to Methods in Physical Education Directed Teaching in Physical Education Activities. Physical Education electives. Physiology Academic teaching field.	3 3 4 3 3 9	Common Teaching Skills. Observation and Practice Teaching History and Principles of Physical Education Methods and Materials of Health Education Tests and Measurements in Physical Education. Administration and Organization of Physical Education. Academic teaching field.
		Total

Single-Major Teacher's Course

The minimum requirements for this degree are 35 credit hours in physical education, 18 credit hours in education, 3 credit hours in physiology, and 10 credit hours of electives:

JUNIOR YEAR Credit Hours	SENIOR YEAR
Society and the School	Common Teaching Skills 6
Education electives 3	Observation and Practice Teaching
Play in Education and Recreation 3	History and Principles of Physical
Introduction to Methods in Phys-	Education
ical Education 2	
Leadership Organization in the In-	E language and the second
tramural Program 4	Applied Anatomy and Filyson
Directed Teaching in Physical	
Education Activities 4	ically Handicapped
Methods in Major Sport Activities 4	Tests and Measurements in Phys ,
Physiology 3	ical Education
Electives 4	Administration and Organization
	of Physical Education
Total 33	Electives
	Total 55

Physical Education and Recreation Course

The minimum requirements for this course are 66 credit hours, distributed as follows:

TO LOLLOWS.	
JUNIOR YEAR Credit Hours	SENIOR YEAR Credit
Society and the School 6 Play in Education and Recreation 3 Introduction to Methods in Physical Education 2 Leadership Organization in the Intramural Programs 4 Directed Teaching in Physical	Common Teaching Skills
Education Activities	ieal Education
	Administration and Supervision of Recreation

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION FOR WOMEN

There are three curricula leading to the degree. The Dual Major Teacher's Course is designed to prepare students for positions in schools where it is necessary to teach an academic subject in addition to Physical Education.

The Single Major Teacher's Course prepares for the teaching of Physical Education in the larger schools. Within this course there is opportunity for specialization in dance, sports, or correctives.

The Physical Education and Recreation Course has been planned for those who wish to be prepared to direct programs of recreation in addition to teaching Physical Education.

For graduate courses in these areas see Programs of Study for the Degree of Master of Arts in Education, Page

The following courses, to be taken in the Junior College, are required for admission to the School of Education:

English	Credit Hours
English 1-2 Social Studies English 51-52, 71-72, or 91-92	6
Social Studies English 51-52, 71-72, or 91-92. History 39-40, 71-72; Political Science 9-10; or Socience ciology 1-2	6
Science ciology 1-2 or Zoology 1-2 (Curriculum Electives Physical Education 12-14 (Freshman year)	or 8
Physical Education ve v6 v9 to: Peychology v 22	
Academic Electives. (Each year)	or 8
_	_

Total......64 or 66

Dual or Single Major Teacher's Course

The student desiring to prepare herself to teach another subject in addition to Physical Education for Women may do so by choosing her elective hours from one subject-matter field with the advice of the Dean of the School of Education. Relevant work completed in the Junior College may be counted in this subject-matter field.

College may be counted in this or	uo juu.	- 17
	3 2 6 4 1 3 8	Observation and Practice Teaching Problems in Teaching Physical Education Activities School and Community Health Problems Methods and Materials of Health Instruction Clinical Work in Therapeutic and Remedial Physical Education Tests and Measurements in Physical Education Administration of Physical Education Academic teaching field or electives Total

Physical Education and Recreation Course

1 my sicus 2000		Credit
JUNIOR YEAR	Credit Hours	SENIOR YEAR Hours
Society and the School Introduction to Recreation Play in Education and Recreation History and Principles of Physical Education Therapeutic and Remedial Physical Education and Physical Examinations Methods of Teaching Physical Education Activities Camp Leadership Group Leadership Activities Physiology	2 3 2 6 4 1 6	Observation and Practice Teaching Problems in Teaching Physical Education Activities. School and Community Health Programs Methods and Materials of Health Instruction Administration of Physical Education Group Leadership Activities Community Organization for Recreation Felectives
Total	33	Total

PROGRAMS LEADING TO THE DEGREE OF BACHELOR OF ARTS

Programs leading to the degree of Bachelor of Arts in Education have three main objectives: (1) provision of a general educational ground, (2) a functional command of ideas, concepts, knowledges, skills in one or more teaching fields, and (3) a mastery of basic pro-

fessional information and skills adequate for a beginning teacher. Since the contents of teaching fields differ in scope and complexity, some programs are longer than others in terms of credit hours. None require less than 126 credit hours of satisfactory work, exclusive of required Physical Education. Normally, 60 credit hours of the total requirement is completed in the Junior College of the University or in an equivalent institution elsewhere.

GENERAL EDUCATION

The general educational backgrounds needed by prospective teachers are obtained through: (1) pre-college education, (2) college courses, (3) work experience, (4) leadership activities, (5) participation in student campus activities, and (6) utilization of off-campus cultural opportunities.

College course requirements.—Course requirements depend in part upon the senior high school credits presented for college admission. They are as follows:

English 1-2: Freshman English Special placement examinations, required of all entering freshmen, are conducted by the English Department. Those students who show marked superiority may be exempted from one or both terms of the course. One of the following survey courses in literature. English 51-52: Introduction to English Literature English 71-72: Introduction to American Literature	Credit Hours 6
English 91-92: Introduction to American Literature Introduction to European Literature Foreign Languages	
French, German, Latin, or Spanish	12
Another Social Science chosen from the following courses. Economics 1-2: Introductory Economics Farth Sciences Fistery 39-40: The Development of European Civilization Political Science 9-10: Government of the United States A student offering for admission two or more acceptable senior	6

high school units in the Social Studies may be exempted from the second part of this requirement.

SCIENCE AND MATHEMATICS

6-8

Two terms of science or mathematics to supplement senior high school courses in these fields and chosen from the following.....

Biology 1-2: Survey in Biology
Botany 1-2: Structure and Functions of the Flowering Plant;
Survey of the Plant Kingdom
Chemistry 11-12: General Chemistry
Mathematics 3 and 6: College Algebra; Plane Trigonometry
Mathematics 6 and 12: Plane Trigonometry; Analytic Geometry
Physics 5 and 6, or 6 and 7: General Physics
Zoology 1-2: Introduction to Zoology

OTHER COURSES

Psychology 1 and 22: General and Educational Psychology......

Speech 11: Training of the Speaking Voice or

Speech 21: Effective Speaking.

Students who demonstrate marked superiority in Speech may be exempted from this requirement. Such exemption is granted only on the recommendation of the Department of Speech.

Statistics 53: Introduction to Statistics in Psychology and Education

ACADEMIC BLECTIVES

Electives may be increased through the various exemptions.

PHYSICAL EDUCATION

Work experience, leadership activities, participation in student campus activities, and the utilization of off-campus cultural opportunities. Obviously, these cannot be prescribed. Nevertheless, they constitute an important part of the general educational background of prospective teachers. In conference with a staff member of the Department of Education assigned as his general adviser, the student is expected to plan adequate experiences in these areas. Not later than one month after matriculation in the School of Education the student must file in the Office of the Dean a statement of such plans approved by his adviser. He must also keep his adviser informed concerning the fulfillment of his plans and to this end include in plans filed, scheduled conferences with his adviser.

Success of the student in enriching his general educational background by these means will be taken into consideration at the end of the first term of the junior year when the faculty will review the qualifications of candidates to determine any who are not of sufficient promise as prospective teachers to warrant continuation of their candidacies. Success in these activities will also be considered when the list of candidates is again reviewed early in the last term of the senior year immediately after the results of the National Teacher Examinations are available. In estimating the success of the student in this connection, more weight will be given to evidence of initiative, eagerness to make the most of each experience, balance, and quality of experience than to the number of different experiences.

Although the student is not required to establish a program of non-academic activities until he becomes a degree candidate in the School of Education, he is advised to do so as soon as he enters the Junior College. To this end, he should consult with the Junior College adviser of students in the pre-Education curriculum soon after entering the Junior College. Whatever is accomplished in this connection while in the Junior College will reduce the obligations of the student after admission to the School of Education.

TEACHING-FIELD PREPARATION

Teaching-field preparation depends upon the kind of teaching position for which the student is preparing. Those planning to teach in elementary schools need a degree of competency in several fields. Those preparing to teach in junior or senior high schools must demonstrate competency in a major teaching field and a minor teaching field. Ordinarily, students preparing to teach in evening schools for adults are required to prove competency in only one teaching field.

The student should begin teaching-field preparation while in the Junior College and should make provision for it in planning his program of studies.

Teaching-field requirements include satisfactory completion of prescribed academic courses, a satisfactory score on the special field examination of the National Teacher Examinations, and satisfactory completion of the prescribed special methods course.

Prescribed academic courses vary in number in accordance with the scope and complexity of the teaching field and the license requirements of the various states. Minimum academic course requirements for each field requirements are listed on succeeding pages. Minor teaching-field requirements are somewhat less than those of a major field. They are determined in conference with an adviser.

The prescribed course in special methods is concerned primarily with methods of initiating, guiding, and evaluating learning experiences dealing with the content of the teaching field. It attempts to bring to the student specific suggestions drawn from the accumulated experience of

successful teachers. However, in addition, the course reviews the teaching-field content currently in use in schools and the examination at the end of the course provides the final test of competency in the teaching field.

Prescribed Courses in the Various Teaching Fields

ART	Credit Hours
One two-term course from the following group Art 121-22: World History of Art Art 151-52: Modern Art	6
Art 161-62: History of Art Criticism One two-term course from the following group Art 101-2: The Design of the Home	6
Art 141-42: Interior Decoration Art 143-44: Folk Arts of America Two two-term courses from the following group	24
Art 67-68: Life and Portrait—Drawing and Painting Art 73-74: Still Life and Portrait—Drawing and Painting; Antique Drawing	
Art 165-66: Life and Portrait—Drawing and Painting Art 175-76: Composition Art 179-80: Sculpture	
Art 183-84: Design and Commercial Art Art 185-86: Advanced Commercial Art Education 141-42: Teaching Art	6
Total	42
BICLOGY	,
Biology 1-2: Survey in Biology	6 9 8 9 5
Home Economics 152: Nutrition	13
Total	37
BUSINESS EDUCATION	6
Economics 1-2: Introductory Economics Business Administration 51: Introductory Accounting Secretarial Studies 51: Business Correspondence and Reports Additional courses as prescribed in one of the following groups:	5
Group 1—Secretarial Studies Secretarial Studies 2: Intermediate Typewriting Secretarial Studies 12: Shorthand and Transcription	5 4
Secretarial Studies 15: Advanced Shorthand, Typewriting, and Transcription	3

Total....

36-38

ELEMENTARY EDUCATION *

ELEMENTARY EDUCATION
Education 123-24: Reading Problems
English 125: The Evolution of Modern Speech English 126: The Appreciation of Literature
Speech 175-76: Speech Correction One of the following two-term courses
History 39-40: The Development of European Civilization Economics 1-2: Introductory Economics
Geography 51, 52: Introduction to Geography and Earth Sciences Political Science 9-10: Government of the United States
One of the following two-term courses or two one-term courses
Biology 1-2: Survey in Biology Botany 5: Field Botany
Physical Education 121: School and Community Health Programs Physiology 115: Physiology
Zoology 5-6: Field Zoology One of the following two-term courses or two one-term courses
Education 209-10: Child Growth and Development Home Economics 164: Child Nutrition
Home Economics 18tx: The Child in the Home Psychology 29: Child Psychology
One of the following two-term courses or two one-term courses Art 71-72: Introduction to the Arts in America
Art 101-2: The Design of the Home Art 141-42: Interior Decoration
Art 143-44: Folk Arts of America Home Economics 123: Household Finance and Problems of the
Consumer Psychology 2: Applied Psychology
Psychology 98: Abnormal Psychology One of the following two-term courses
Education 221-22: Early Childhood Education Education 225-26: Elementary Education in the Intermediate Grades
Total

ENGLISH

English 1-2: Freshman English
Speech II: Training the Speaking Voice or
Speech 21: Effective Speaking
English sy-sa: Introduction to English Literature
English 72: Introduction to American Literature
English 125: The Evolution of Modern Speech
English 126: The Appreciation of Literature
English 135-36: Shakespeare
One of the following two-term courses or two one-term courses
English 182: The English Novel
English 184. The English Drama

[·] Limited to graduates of a two- or three-year normal school.

MATHEMATICS

Mathematics 3: College Algebra	
Mathematics 6: Plane Trigonometry	٥
Mathematics 12: Analytic Geometry	0
Mathematics 19: Differential Calculus	0
Mathematics 20: Integral Calculus	0
Mathematics 125: Advanced Algebra	0
Mathematics 132: Differential Equations, or	
Mathematics 139: Advanced Calculus	0
An additional course in Mathematics as approved by the Adviser	
Statistics 52: Mathematics of Finance	
Education 140: Teaching Mathematics	0

FHYSICS

29

Physics 5, 6, 7, and 8: General Physics
Physics 55: Physical Measurements
Physics 101: Mechanics
Physics 105: Principles of Electricity
Physics 106: Optics
Mathematics 12: Analytic Geometry
Mathematics 19: Differential Calculus
Mathematics 20: Integral Calculus
Chemistry Elective—Chemistry 11-12: General Chemistry or
Chemistry 12-21: General Chemistry and Qualitative Inorganic
Analysis
Six credit hours to be selected from the following
Physics 102: Heat and Thermodynamics
Physics 113: Atomic and Molecular Physics
Physics 128: Sound
Physics 132: Electronics
Physics 155: Advanced Physical Measurements
Education 144: Teaching Science

Total....

18

SOCIAL STUDIES

History 39-40: The Development of European Civilization
History 71-72: The Development of American Civilization
Political Science 9-10: Government of the United States
Two of the following courses
Economics 1-2: Introductory Economics
Geography 51, 52: Introduction to Geography and Earth Sciences
Sociology 1-2: Introductory Sociology
Additional second-group courses as approved by the Adviser from one
of the following fields: Economics, Geography, History, Political
Science, Sociology
Education 138: Teaching Social Studies

Total

SPANISH

Spanish 3-4: Second-year Spanish. Spanish 109-10: Spanish Conversation and Composition.	6
Additional -	6
Torcigi Languages	3
Total	10

C BPRECH	
Speech 11: Training the Speaking Voice	3
Speech 27	3
The state of the s	6
ruditional Courses of Courses	3
Speech 41. D	13
Speech 135: Argumentation and Debate	
Speech 151-52: Acting Speech 161-52: Acting	
Speech Play Direction	
Education 136: Speech Correction Teaching English.	2
The continuity Edition.	
Total	77

PROFESSIONAL EDUCATION

The basic professional information and skills needed by beginning teachers are provided through four one-year courses, two in each of the junior and senior years. Lectures and class discussions are closely coordinated with field work. Instruction is differentiated to meet the needs of those preparing to teach on the various levels—elementary school, junior high school, senior high school, and adult.

Professional Courses

Educasi-	
Education 109-10: Learning and Teaching. Education 121-22: Society and the School Education 131: Common Teaching Skills.	8
Education 131: Company and the School	6
Education 121-22: Society and the School. Education 131: Common Teaching Skills. Education 136 to 150: Special Methods. Education 133-34: Observation and Practice Teaching.	2-6
33-34: Observation and Practice Teaching	6
Total	22.25
Leanni	23-21

Learning and Teaching.—Candidates enrolled in four-year programs leading to the degree of Bachelor of Arts take this course in the junior year. year. Those enrolled in five-year programs take it in the senior year.

The course attempts to promote a functional understanding of the nature of learning and teaching by focussing the attention of the student upon actual classroom situations and the psychological, sociological, and educational principles relevant to them.

Classes meet for lecture and discussion two hours a week. At least an equal amount of time is spent in observation and study of classroom Class discussion normally revolves around these field exsituations. periences.

The course, particularly during the first term, is also intended to provide the student with exploratory experiences of assistance to him in deciding whether or not his choice of the profession of teaching has been wise. The student's performance in connection with the course is one of the factors considered when the Faculty reviews the list of candidates who have completed the first term of the junior year (senior year for those enrolled in five-year programs).

Society and the School.—This course is also taken in the junior year by candidates enrolled in four-year programs (senior year by those in

five-year programs).

The first term of the course attempts to promote an understanding and appreciation of the role of schools in the sound promotion of the enduring interests of our democratic society. More particularly, it attempts to develop a functional understanding of the contributions of all social agencies in the education of people and of desirable cooperative working relations that help the school to play its part as a member of the institutional "team" of the community.

The second term of the course is concerned with study of the school as a whole—its purposes, program of studies, out-of-class activities general organization, and major instructional problems. Although schools at all levels are studied, students give particular attention to schools at

the level within which they are preparing to teach.

During both terms of this course classes meet for lecture and discussion two hours a week. At least an equal amount of time is spent in field study. During the first term each student makes an extended study of one cooperating social institution and shorter studies of ten others. In the second term extended study of schools at the level of the student's special interest is supplemented by briefer studies of schools at other levels. Class discussion is largely determined by field experiences.

This course is also intended to provide the student with exploratory experiences of guidance value. The performance of the student in the first term of the course is also given careful consideration by the Faculty in its review of the list of candidates at the beginning of the second term of the junior year (senior year for those enrolled in five-year programs).

Common Teaching Skills.—Those enrolled in four-year programs take this course in the senior year. Those enrolled in five-year programs take it in the fifth year.

The course is concerned with the skills needed by teachers in connec

tion with classroom management, homeroom procedures, administrative routines, activity sponsorship, group planning, and public relations.

As in other professional courses, classes meet two hours a week for lacture and discussion and students devote at least an equal amount of time to field work. The observation of classroom teaching done in connection with the Observation Course (Education 133), for which students are normally enrolled concurrently, supplements the field work of the course.

Special Methods Courses.—Associated with each teaching field is a course dealing with its special teaching problems. In addition to the study of practices followed by successful teachers, actual teaching content as found in current texts and courses of study is reviewed. Needed content, not included in academic courses available for teaching field preparation, is taught in these courses.

Observation and Practice Teaching.—This course is taken in the senior year by students enrolled in four-year programs (in the fifth

year by those in five-year programs).

It begins with the observation of classroom teaching in selected situa-Assumption of responsibility for teaching functions is gradual, leading eventually to practice in the complete direction of classroom Those preparing to teach in secondary schools have the opportunity of observing and doing practice teaching in both major and minor teaching fields and on both junior and senior high school levels. The course is directed by a full-time member of the faculty of the School of Education. The work of each student is under the direct supervision of a critic teacher, selected because of unusual success in teaching, ability to supervise, and broad understanding of educational Problems. Critic teachers are part-time members of the instructional staff of the School. Observation and teaching are done in the public schools of the metropolitan area of Washington, assuring practice in situations comparable to those the student is likely to face on becoming

ADMISSION

To be admitted to candidacy for the degree of Bachelor of Arts in Education, the applicant must: (1) hold an Associate in Arts degree based on the Education Curriculum in the Junior College or the equivalent from another accredited higher institution, or a certificate of graduation for a certific ation from an approved normal school or the equivalent; (2) have a quality and approved normal school or the equivalent; (2) have a quality-point index of 2.00 (average grade of C) counting "Incomplete" grades as "F"; (3) have demonstrated a genuine interest in teaching and possess personality traits that give promise of success as a teacher; and (4) have an interview in the Office of the School of Education.

FIVE-YEAR PROGRAMS LEADING TO THE DEGREES OF BACHELOR OF ARTS AND MASTER OF ARTS IN EDUCATION

Five-year programs are designed: (1) to permit more adequate teaching field and professional preparation, (2) to prepare for special teaching positions, and (3) to meet teaching-certificate requirements based

upon five years of preparation.

Students in these programs usually devote the junior year to additional teaching field preparation and general education. Ordinarily teaching field preparation is continued in the senior year and the first two professional courses (Education 109-10, 121-22) are taken. The work of the fifth year includes the remaining undergraduate professional courses and the balance of graduate courses needed to meet the requirements of the degree of Master of Arts.

Candidates must have a quality-point index of at least 2.50 before beginning the work of the senior year. As much as 18 credit hours of the work of the senior year may be taken for graduate credit. Observation and Practice Teaching, taken in the fifth year, may not be taken

for graduate credit.

Candidates enrolled in five-year programs are able to prepare more adequately in their major or minor teaching fields, or in both. Additional teaching field courses must be approved by the Adviser in the

teaching field concerned.

The five-year plan of study also provides an opportunity for candidates to prepare to teach "common learnings" courses in one or more of the various core curriculum plans now being adopted in many secondary schools. Such programs need to be carefully planned to meet the demands of the situation in which the candidate hopes to teach.

A number of cities and some states require five years of satisfactory preparation before issuing certain teaching certificates. Candidates seeking such certificates should familiarize themselves with the requirements of the community or state concerned and plan their programs

Five-year programs must meet all the requirements of the degrees of Bachelor of Arts and Master of Arts in Education, and must be approved by the Adviser designated for these programs.

PROGRAMS LEADING TO THE DEGREE OF MASTER OF ARTS IN EDUCATION

Programs of study leading to the degree of Master of Arts are designed: (1) to enable teachers of experience to increase their knowledge of professional and academic information and skills, (2) to prepare for special types of educational service, and (3) to provide opportunities for graduates of liberal arts colleges to acquire needed professional education.

Programs are planned in conference with the designated Adviser and take into consideration the interests of the candidate, his previous background, and the certification requirements of the state and locality in which he plans to teach.

PLANS OF STUDY

Two general plans of study lead to the degree.

Plan 1.—This plan requires a minimum of 30 hours of graduate credit,

including a thesis carrying 6 hours of graduate credit.

Plan 2.—This plan requires a minimum of 33 hours of graduate credit, including a course in Educational Research Methods and Procedures carrying 3 hours of graduate credit.

Graduate work completed in other accredited institutions of learning may be credited toward the Master's degree, but a minimum of 30 Gredit hours must be completed in the School of Education of The George Washington University.

Under Plan 1, a minimum of 12 credit hours, in addition to the thesis, must be from courses planned primarily for graduate students (thirdgroup courses). Under Plan 2, a minimum of 18 credit hours, in addition to the course in Educational Research Methods and Procedures, must be from third-group courses. Under either plan a minimum of 12 credit hours, not including the thesis or the research course, must be from courses offered in the Department of Education.

Programs may provide for additional academic preparation in one or more teaching fields. In such cases, however, undergraduate and graduate courses combined must be at least equivalent to the undergraduate requirements for the degree of Bachelor of Arts in Education in the teaching field concerned.

Programs are normally based upon undergraduate preparation equivalent to the requirements of the degree of Bachelor of Arts in Education (see pages 11-12). Candidates with less professional preparation must make up their deficiencies either prerequisite to or as part of their

Each candidate must file in the Office of the Dean not later than one month after admission to the School of Education a program of study approved by his Adviser.

All candidates must take, at one of the designated periods, a professional comprehensive examination which shall take into account the

candidate's area of specialization.

PROGRAMS OF STUDY

Administration of Public School Systems

Programs of those interested in the position of school superintendent customarily include courses in General Administration, Supervision, and Administration of a School System. Additional courses are chosen 25 needed from Adult Education, Curriculum, Elementary Education, Guidance, Public Relations, School Finance, School Law, School Plant Planning, and Secondary Education.

Adult Education

Programs of those particularly interested in the education of adult may or may not include additional teaching-field preparation. In addition to six credit hours of work in Adult Education professional courses may be chosen from Audio-visual Education, Curriculum, Employee Training, Evaluation, Guidance, History of Education, Mental Hygients and Philosophy of Education.

Agricultural Extension Education

These programs are designed for those with successful experience in agricultural extension education. Candidates follow Plan I, writing a thesis approved by representatives of the Extension Service of the United States Department of Agriculture. Six credit hours of working addition to the above in addition to the thesis, are devoted to agricultural extension education. by special arrangement with the Extension Service of the United States Department of Agriculture. The remainder of the program is planned in accordance with the interests and needs of the candidate and usually includes courses in Suntained includes courses in Supervision, Adult Education, and Secondary tion. Courses in Administration, Curriculum, Evaluation, Group Leadership, Guidance Personal Don Curriculum, Evaluation, Group ership, Guidance, Personnel Psychology, Research, Speech, and Statistics may also be chosen.

Elementary Education

Programs provide for three fields of specialization in elementary education: Early Childhood Education, The Intermediate Grades, and Elementary School Administration. In addition to graduate courses these fields programs are included. these fields programs may include courses in Child Growth and Development, Children's Literature, Curriculum, Evaluation, History of Education, Mental Hygiene, Philosophy of Education, Reading, Research, and Speech.

Employee Training

Programs for those interested in the training of employees in business, industry, and government normally include courses in Employee Training and Adult Education. Additional courses are chosen from Audiovisual Education, Curriculum, Guidance, Mental Hygiene, Personnel Psychology, Philosophy of Education, Public Relations, and Techniques of Counseling.

Guidance

Programs for those especially interested in guidance usually include courses in Educational and Vocational Guidance, Techniques of Counseling, Guidance in Secondary Schools, and Occupational and Educational Information. Additional courses frequently chosen include Adult Education, Curriculum, Employee Training, Evaluation, Individual Psychological Testing, Personnel Psychology, Philosophy of Education, Psychological Tests, Secondary Education, and Test Construction.

Physical Education

Programs of candidates who have had undergraduate training in Physical Education may include twelve credit hours of work in Health Education, Physical Education, and Recreation. Four graduate courses: Problems in Physical Education, Problems in Health Education, Evaluation in Physical Education, and Physical Education for the Atypical, are offered, two each year in alternate years. Certain undergraduate courses may also be taken for graduate credit. These are available in the areas of Camping, Dance, Physical Education, and Recreation.

As a rule these programs include six credit hours of work in Secondary Education. Additional courses are chosen from Audio-visual Education, Curriculum, Extra-classroom Activities, Guidance, Philosophy of Education. Public Relations, and Supervision.

If Plan 1 is followed the thesis problem may be from the field of Physical Education.

Those who desire additional teaching-field preparation may combine advanced subject-matter courses in an academic field with professional courses, Programs usually include six credit hours of work in Secondary Education with additional courses chosen from Audio-visual Education with additional courses chosen from Secondary Schools, Philosophy of Education, Research, and Vocational

Programs for those interested in secondary school administration normally include courses in General Administration, Supervision, and Secondary School Management. Additional courses may be chosen from Curriculum, Guidance, Philosophy of Education, Public Relations, Research, School Law, School Plant Planning, and Secondary Education.

ADMISSION

To be admitted to candidacy for the degree of Master of Arts in Education the applicant must: (1) hold a Bachelor's degree from an accredited institution; (2) have an undergraduate quality-point index of 2.50 or above (C + average); (3) have demonstrated a genuine interest in teaching; (4) be in possession of personality traits that give promise of better-than-average success as a teacher.

To be admitted to candidacy in programs designed to prepare for service in guidance and administration two years of successful teach-

ing experience are prerequisite.

PROGRAM LEADING TO THE DEGREE OF DOCTOR OF EDUCATION

The requirements for the degree of Doctor of Education cannot be stated in credit hours, but they consist in general of at least two full years of work beyond the degree of Master of Arts in Education or the equivalent. The programs of study are designed to prepare students for administrative or supervisory positions, the teaching of education in normal schools or colleges, the teaching of an academic subject in schools or colleges, or for specialized types of educational service. The work is given a practical rather than a theoretical bent, and emphasizes the mastery and application of subject matter, both in the study requirements and in the dissertation. Special emphasis is placed upon the professional success of the candidate.

The candidate's program of study depends for the most part upon his previous educational background and his professional objective. Opportunities are provided for study leading to the following professional objectives:

School Superintendent Secondary School Principal Supervisor Director of Guidance

Director of Curriculum Development Professor of Education Specialist in Educational Research

QUALIFICATIONS OF THE APPLICANT

The candidate for the degree of Doctor of Education must have completed (1) graduate work in fields prerequisite to his objective, equivalent to that required for the degree of Master of Arts in Education in The George Washington University, and (2) at least three years of successful educational experience.

Admission to Candidacy

To be admitted to candidacy for the degree the applicant must be accepted by the Faculty of the School of Education on the basis of an examination examination conducted by a committee appointed by the Dean. This examination will usually include the following: (1) a written examination invol. tion involving problems related to the applicant's background; (2) a scholastic-aptitude test; (3) an oral examination.

CONSULTATIVE COMMITTEE

If the applicant is accepted as a candidate, his consultative committee, in cooperation with the candidate, will (1) determine the candidate's fields of study, in each of which the candidate must pass a written

examination at least eight months before he presents himself for the degree; (2) formulate a list of course requirements and of reading that will assist him in preparing for these examinations; and (3) des ignate the tools of investigation that will be needed by the candidate the prosecution of his study. These tools may include one foreign learning guage, or more, statistical methods, historical criticism, or any other considered essential by the committee. An examination in the designated must be passed by the candidate before he takes his comprehensive examination.

THE DISSERTATION

When the candidate has satisfied the requirements of his consultative committee, the committee is dissolved. A member of the faculty, in whose field the topic of the dissertation falls, is then appointed to serve as the candidate's adviser on his dissertation and in his field of specialization and to a specialization and to be specialized to the specialization and the sp zation, and to recommend him to the Dean for the final oral examination when, in his judgment, the candidate's dissertation is acceptable.

Not later than the date specified in the University calendar the canditate shall enhance date shall submit to the Dean of the School of Education four of his dissertation—one typewritten original and three legible and complete carbon conics plete carbon copies, on official thesis paper—and also a typewritten summary of the discrete summary o mary of the dissertation consisting of not more than 2,500 words. quirements regarding the form of the dissertation are stated in the general catalogue and additional information will be supplied by the

The successful candidate is required, at the time of the acceptance of the dissertation, to pay a fee to cover the expense of printing the summary.

THE FINAL EXAMINATION

At least three weeks before the degree is to be conferred the candition must pass an oral date must pass an oral examination on his dissertation and on his the of specialization before a committee of the Faculty appointed by the Dean, supplemented by Dean, supplemented by two experts from outside the University appointed by the Provide the University and pointed by the President. This examination is open to the public and all are privileged to question the candidate. The Dean, or a member of the Faculty designated by the candidate. of the Faculty designated by him, will preside at this examination.

READING CLINIC

To help children and adults with reading difficulties, the School of ducation operates a linear school of the scho Education operates a diagnostic reading clinic. Children may be referred by principals. ferred by principals, teachers, or parents. Adults may apply by telephone. To arrange for a clinical examination of reading status, address The George Washington University Reading Clinic, 720 Twenty-second Street, NW., or telephone NAtional 5200, Extension 451, for an appointment. The Clinic is open for appointments Monday, Wednesday, and Friday, from 9:00 A.M. to 12:00 noon.

A complete diagnostic examination usually requires three sittings. When completed, a written report is given and a conference arranged at which disabilities are discussed in detail and suggestions for corrective work are outlined. The fee is \$20.00.

FEES AND FINANCIAL REGULATIONS

By authorization of the Board of Trustees, the following fees have been adopted:

TUTTION FRES

ADDITIONAL COURSE FEES

In certain courses additional fees, such as laboratory and material fees, are charged as indicated in the course descriptions. These fees are charged by the term and, unless otherwise indicated, may be defrayed in three payments when the tuition is paid in this manner. Breakage of apparatus is charged against the individual student. When breakage is in excess of the normal amount provided for in the laboratory fee the individual student will be required to pay such additional charges as are determined by the department concerned.

4.00

SPECIAL FEES

Application fee, charged all applicants for admission, non-refundable Late-registration fee, charged each student who fails to register within the designated period..... Withdrawal fee, charged each student who preregisters and withdraws prior to the regular registration..... Service fee, charged each student for late payment of tuition (see "Payment of Feet")

Reinstatement fee, charged each student who is reinstated after suspension for delinquency in fees..... Residence fee, charged each student wishing to maintain "in residence" status during any term of absence from the University... 2.00 For special physical examination.... For examinations to qualify for advanced standing and for each special examination For diagnostic reading clinic.

Laboratory checkout fee, charged all students in chemistry and pharmacy courses who fail to check out of the laboratory by the time set by the instructor.....

Registration in the University entitles each student to the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Employment Optice.

(3) the use of University library facilities, except as otherwise designation.

nated; (4) gymnasium privileges; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the University Hatchet, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services as described in the General Catalogue. These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dismissed from the University.

PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street, NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each term are due and payable in advance at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, the student may sign a contract for term charges, except for fees payable in advance, permitting payments as follows:

Fall Term.—One third at the time of registration; one third on November 3; one third on December 3.

Winter Term.—One third at the time of registration; one third on March 3: one third on April 3.

A student who fails to meet payments when due, but who pays his fees on or before the tenth day of the month in which payment is due, is charged a service fee of \$1. A student who fails to meet payments by the tenth day of the month in which payment is due will be automatically suspended and may not attend classes until he has been officially

reinstated and has paid all accrued fees and a reinstatement fee of \$5. A suspended student may not be reinstated for the term after two weeks from the date of suspension. Applications for reinstatement are to be made to the dean.

An auditor pays all fees chargeable to the student registered for credit except the late-registration fee.

WITHDRAWALS AND REFUNDS

Application for withdrawal from the University or for change in class schedule must be made in person or in writing to the dean. Notification to an instructor is not an acceptable notice.

In authorized withdrawals and changes in schedules, financial adjustments will be made as follows:

Fall Term.—Withdrawal dated on or before October 31, cancellation of two-thirds of tuition charges; withdrawal dated on or before November 30 ber 30, cancellation of one-third of tuition charges. No refund or reduction duction will be allowed on a withdrawal dated subsequent to November 30

Winter Term .- Withdrawal dated on or before February 28, can cellation of two-thirds of tuition charges; withdrawal dated on of before March 31, cancellation of one-third of tuition charges. No refund or reduction will be allowed on a withdrawal dated subsequent to March 31.

In no case will a refund be made of the first third of the total tuition charges unless the registration is in advance and the course is dropped before the regular registration day. In this case a withdrawal fee of is charged and tuition fees refunded. In no case will tuition be reduced

or refunded because of nonattendance upon classes.

Payment applies only to the term for which a registration charge is incurred and in no case will this payment be credited to another term.

Any student in chemistry who fails to check out of the laboratory of or before the date set by the instructor, unless excused by the instructor. will be charged a checkout fee in the amount of \$2. A student who drops a course before the end of the term must check out of the laboratory at the next regular laboratory period.

Authorization to withdraw and certification for work done will not

be given a student who has not a clear financial record.

The grade of FW (failing) will be given in a course dropped without

the approval of the dean.

All charges for courses dropped without the approval of the dean must be met by the student. Reporting the dropping of a course to an instructor does not effect its discontinuance.

COURSES OF INSTRUCTION

EXPLANATION OF COURSE NUMBERS

An odd number preceding the name of the course indicates that the course is offered in the fall term; and an even number, that it is offered in the winter term. The letter "x" following an odd course number (e.g., 295x) indicates that the course, normally offered in the fall term, is given in the winter term. The letter "x" following an even course number indicates that the course, normally offered in the winter term, is given in the fall term.

First-group courses.—Courses numbered from 1 to 100 are planned for students in the freshman and sophomore years. With the approval of the adviser and the dean, they may also be taken by juniors and seniors. In certain instances, they may be taken by graduate students to make up undergraduate deficiencies or as prerequisite to advanced

courses, but they may not be credited toward a higher degree. Second-group courses.—Courses numbered from 101 to 200 are planned for students in the junior and senior years. They may be credited toward higher degrees only when registration for graduate credit has been approved at the beginning of the course by the Dean of the School of Education and by the officer of instruction concerned, and when the completion of additional work has been certified by the officer of instruction.

Third-group courses.—Courses numbered from 201 to 300 are planned Primarily for graduate students. They are open, with the approval of the officer of instruction to qualified seniors; they are not open to Junior College students or other undergraduates.

INDICATION OF THE AMOUNT OF CREDIT

The number of credit hours given for the satisfactory completion of a course is indicated in parentheses after the name of the course. Thus, a year course giving three hours of credit each term is marked (3-3), and a term course giving three hours of credit is marked (3).

DEPARTMENT OF EDUCATION

Courses offered by the Department of Education are of two types: those designed for the preservice education of candidates and those planned for the inservice education of teachers.

Preservice courses devote two fifty-minute periods a week to lecture and discussion supplemented by a minimum of two hours a week of related 6.100 supplemented by a minimum of two hours a week of related field work. A clinical approach to the study of educational problems is used, lectures and discussions revolving around observed

Inservice courses usually meet only once a week for a two-hour practices. period. Class work is supplemented by extensive reading assignments. the preparation of reports, and field work. A student enrolled in one of these courses should plan to devote not less than seven hours a week exclusive of class time, to the work of the course.

Ample opportunity is provided to study teaching or administrative problems of special interest. To enable students to consult with instructors regarding individual problems, a conference hour is scheduled

immediately before or after the class period.

Only the courses designed to provide professional information and skills are listed below. For courses needed for general education of teaching field preparation, see the general catalogue. In addition to courses offered in the Department of Education a number of professional courses for teachers are offered in the departments of Psychology Speech, and Statistics. These are listed below together with courses offered by the Department of Education.

The exact hour at which classes will be held is stated only for the fall term of 1949-50. Class hours for courses offered in a later term

will be found in the Schedule of Classes for that term.

FIRST GROUP

Psychology 22 Introduction to Educational

J. T. Wilson

Consideration of individual and group differences, adjustments, and the psychology of learning in relation to education and training. (Also offered Psychology 22x—same as Psychology 22, but offered fall term. Mon. and ed., 5:45 to 7:00 P.M. 1949 summer term.)

Wed., 5:45 to 7:00 P.M.

Phillips A genetic approach to the study of the child. Mon. and Wed., 7:10 Psychology 29 Child Psychology (3) 8:25 P.M. (Also offered 1949 summer term.)

Psychology 29x—same as Psychology 29, but offered winter term.

Weida and Staff Statistics 53 Introduction to Statistics in

Sources of data, tabulation, charts and graphs, averages, dispersion, quartiles and percentiles raw scores and dataset graphs, averages, dispersion, quartiles and percentiles, raw scores and derived scores, profiles, norms and their use frequency distributions intelligence frequency distributions, intelligence and other quotients, reliability validity of tests, normal curve constants validity of tests, normal curve, correlation, elementary sampling, statistical error, limitations of statistics. Prerequisite one entrance unit in algebra Laboratory fee, \$5. Lecture—section A. T. Laboratory fee, \$5. Lecture—section A: Tues, and Thurs., 10-10 A.M.; to tion B: Mon. and Wed., 7:10 p.m.; laboratory—section M: Mon., 4:10 to 5:50 p.m.; section N: Tues., 4:10 to 5:50 p.m.; section P: Thurs., 4:10 to 5:50

SECOND GROUP

- Statistics 104 Statistics in Psychology and Education (3) Weida Advanced study of correlation and frequency analysis, sampling theory, factor analysis, and applications to specific problems utilizing case method of study insofar as possible. Original work is required of each student. Prerequisite: Statistics 53. Laboratory fee, \$5.
- Education 109-10 Learning and Teaching (3-3)

 Ruffner

 For the general student as well as the prospective teacher. Fall term:
 nature of learning and teaching approached through the study of actual
 classroom
 situations. Winter term: the principles and practices of good
 teaching. Section A: Wed. and Fri., 10:10 A.M.; section B: Wed. and Fri.,
 6:10 P.M.; field work (2 hours) to be arranged (Also offered 1949 summer
- Education 115 Elementary School Classroom Walker, Winn Procedures (2)

Determination of children's needs and interests, providing for individual differences, evaluation of classroom practices.

Education 121-22 Society and the School Jarman, H. M. Wilson (3-3)

For the general student as well as the prospective teacher. Fall term: the local, national, and international roles of education; cooperation of the school with other community agencies. Winter term: organization and operation of schools; principles and functions. Section A: Tues. and Thurs., 10:10 A.M.; section B: Tues. and Thurs., 6:10 P.M.; field work (2 hours) to be arranged. (Also offered 1949 summer term.)

- Psychology 121 Educational Psychology (3)

 Advanced course in Educational Psychology. Open each term on the individual study plan to a limited number of students. Time to be arranged.
- Education 123-24 Reading Problems (3-3)

 A clinical approach to reading difficulties on elementary and secondary school levels. Sat., 9:10 to 11:00 A.M.
- Education 125 Corrective Procedures in Reading (3) Hilder Study of levels, needs, materials, and corrective methods. Demonstrations Summer term 1040.
- Psychology 129 Introduction to Educational and Dreese
 Vocational Guidance (3)
 Tues. and Thurs... 6:10 to 7:25 P.M.
- Education 131 Common Teaching Skills (3)

 Course, unit, and lesson planning; homeroom procedures; discipline, clerical Mon, Wed., and Fri., 5:10 P.M.; field work (2 hours) to be arranged.

Psychology 131 Psychological Tests (3) A survey of psychological tests and their more common uses in business. industry, government, law, medicine, and education. Material fee, \$2.25
Mon., Wed., and Fri., 10:10 A.M. (Also offered 1949 summer term.) Psychology 131x—same as Psychology 131, but offered winter term.

Education 133-34 Observation and Practice Teaching (3-3) Education 134. practice-teaching fee, \$8 a credit hour. Admission by permission of the instructor. Time to be arranged individually.

Mosel Psychology 144 Personnel Psychology (3) The applications of psychology to personnel work in education, business, industry, and government. (Also offered 1949 summer term.) Psychology 144x—same as Psychology 144 but offered fall term. Tues. and Thurs., 6:10 to 7:25 P.M.

SPECIAL METHODS COURSES

To be elected in the senior year after substantial preparation in the teaching fields concerned. Course requirements and hours of credit vary with license requirements. Practices of successful teachers are studied and actual teaching content as found in current texts and courses of

study is reviewed. Lumsden Education 136 Teaching English (2 to 4) Tues., 7:35 to 9:35 P.M.; field work (2 hours) to be arranged. Root

Weida

Goodwin

Education 138 Teaching Social Studies (2 to 4) Mon., 7. 10 to 9:10 P.M.; field work (2 hours) to be arranged.

Education 140 Teaching Mathematics (2) Time to be arranged.

Education 141-42 Teaching Art (3-3) (Not offered in 1949-50.)

Rumbough Education 144 Teaching Science (2 to 4) Wed., 5:10 to 7:00 P.M.; field work (2 hours) to be arranged.

Doyle, Keating Education 146 Teaching Foreign Languages (2 to 4)

Kirkpatrick Time to be arranged. Education 148 Teaching Home Economics (2) Time to be arranged. Veon

Education 150 Teaching Secretarial Studies (2) Time to be arranged.

Speech 175-76 Speech Correction (3-3) Pettit A study of the causes of the disorders of speech with emphasis on methods in diagnosis and treatment of defective speech. Prerequisite: Speech II and 161, or permission of the instructor. Recording fee: \$3 a term. 175: Mon., Wed., and Fri., 2:10 P.M.

THIRD GROUP

Education 205-6 The Curriculum (3-3) Mehrens General principles and practices of curricular development; modern trends and procedures of improvement; group consideration of student problems. Wed., 7:10 to 9:10 P.M.

Education 209-10 Child Growth and Development Basic factors in human growth and development and their relation to

learning and teaching. Related practical experience in studying children with class analyses of procedures and results. Sat., 11:10 A.M. to 1:00 P.M.

Education 211 Evaluation in Education (3) Nature, functions, and techniques. Ruffner Summer term 1949.

Education 213-14 History of Education (3-3) Fall term: the European backgrounds of American education. Winter term: the evolution of the American school system. Tues., 7:35 to 9:35

Education 215-16 Seminar: Great Teachers in American Education (3-3)

A study of great teachers from the colonial period to the present. An attempt will be made to find out the qualities and characteristics that have made these teachers great. Thurs., 7:35 to 9:35 P.M.

Education 217-18 Contemporary Problems in Education Jarman

Fall term: designed to help students formulate a personal philosophy of education. Winter term: a study of the forces that shape the policies and offerings of the school. Mon., 7:10 to 9:10 r.m. (Also offered 1949 summer

Education 219 Elementary Education (3) Review of recent literature and practices; particular attention to Education for All descent literature and practices; particular attention to Educational Policies for All American Children, the recent report of the Educational Policies Summer term 1949.

Education 221-22 Seminar: Early Childhood Education Little

Fall term: home backgrounds, nursery school and kindergarten situations. Winter term: primary grades. (Not offered in 1949-50.)

I. T. Wilson Psychology 223 Seminar: Learning (3) Covers theories of learning. Tues., 7:35 to 9:35 P.M. (Also offered 1949 summer term.)

Education 224 Newer Developments in Children's Exploring and evaluating the newer books for children and the children's Literature (3)

classics; understanding the contribution of literature in child development appreciating children's original expressions; surveying resources in the field. (Not offered in 1949-50.)

Education 225-26 Seminar: Elementary Education in the Little Intermediate Grades (3-3)

A comprehensive study of the major problems of the intermediate grades. Fri., 7:10 to 9:10 P.M.

Psychology 225 Seminar: Mental Hygiene (3) A study of problems in the field of mental health and prevention of many adjustments and mental disease. Sat., 10:10 to 12:00 A.M. (Also offered 1949 summer term.)

Education 227-28 Elementary Education (3-3) Fall term: discussion of fundamental issues in the light of their historical development, parallel situations in other countries, and current proposed solutions. Winter term: relationships of developments in each instructional area to the fundamental issues. Sat., 9:10 to 11:00 A.M.

Dreese Psychology 227x Seminar: Educational and Vocational A study of the techniques of educational and vocational guidance and pre-

application of these procedures in various types of guidance agencies. requisite: Educational or psychological measurements. (Also offered 1949) summer term.)

Psychology 228 Seminar: Techniques of Counseling (3) A detailed study of counseling techniques and the types of counseling problems likely to confront teachers, employee counselors, vocational counselors, and veterin's advisors. Drover counselors, vocational counselors, and veteran's advisers. Prerequisite: Psychology 227 or the equivalent. (Also offered 1949 summer term.)

Psychology 228x—same as Psychology 228, but offered fall term. Tues-\$:10 to 5:00 P.M.

Psychology 229 Seminar: Occupational and Educational Designed to acquaint vocational and educational counselors with the basic occupational and educational informational counselors with the basic occupational and educational information of the basic occupational and educational information of the basic occupation occupati of data and techniques of collecting, analyzing, and disseminating for puroccupational and educational information necessary in counselingposes of guidance. Wed., 8:10 to 10:00 P.M.

Education 230 Administration of Elementary

The principal as a school and community leader. Problems of supervision, course of study development course of study development, parent relations. (Also offered 1949 summer term—Tuttle.) Education 231 Secondary School Classroom
Procedures (2)

Bish, Root

Survey of current classroom practices with particular attention to teaching aids; reviews of recent literature. Tues., 7:35 to 9:35 P.M. (Also offered in 1949 summer term.)

- Psychology 231 Test Construction (3)

 The principles underlying test construction; statistical techniques in the construction, evaluation, and standardization of psychological, educational, and vocational tests. Prerequisite: a course in tests and measurement and a course in statistics. Fri., 6:10 to 8:00 P.M. (Also offered 1949 summer term.)
- Psychology 232 Research: Test Construction (3) Hunt Individual projects in construction and evaluation of psychological, educational, or vocational tests. Prerequisite: Psychology 231.
- Education 233 Audio-visual Education (3)

 Luecke
 Selection and use of audio-visual aids; measurement of materials and equipment. Material fee, \$5. Lecture (2 hours), laboratory (2 hours), Sat.,
 9:10 A.M. to 1:00 P.M. (Also offered 1949 summer term—Johnson.)

 Education 233x—same as Education 233, but offered winter term.
- Psychology 233 Individual Psychological Testing (3) Phillips Instruction and practice in giving the Binet Test, Wechsler-Bellevue Test, and other individual psychological tests, Prerequisite: an elementary course in tests and measurements. Material fee, \$2.25. Fri., 1:10 to 3:00 P.M. Psychology 233x—same as Psychology 233, but offered winter term.
- Education 247-48 Vocational Education (3-3)
 Major issues, problems, and trends. Tues., 7:35 to 9:35 P.M.
- Education 251 Guidance in Secondary Schools (3) Cromwell Scope; needs; organization of the program; services to students, the instructional staff, and the administration; personnel needed for the program. Fri., 7:10 to 9:10 P.M. (Also offered 1949 summer term.)
- Education 254 The Junior High School (3)

 Purposes: organization; core programs; guidance; developing course of study; extra-classroom activities. Tues., 7:35 to 9:35 P.M. (Also offered 1949 summer term.)
- Education 255-56 Secondary Education (3-3)

 Fall term: review of recent literature and practices; particular attention to Education for All American Youth, the recent report of the Educational Commission, and General Education in a Free Society, Harvard fields. Sat., 11:10 A.M. to 1:00 P.M. (Also offered 1949 summer term.)
- Education 259-60 Secondary School Management (3-3) Fox Management planning, execution, and control; criteria of good management; construction of the master schedule; leadership problems incident to the development of new policies and programs. Wed., 7:10 to 9:10 P.M.

Education 263-64 Employee Training (3-3)

Organization and administration of employee-training programs in accordance with operating needs: orientation, supervisory, and skills training; coordination of training with other personnel functions; evaluation of training. Field work is required. Thurs., 7:35 to 9:35 P.M.

Education 271 The American School System (3)

Organization of public education; sources of school revenue; influences of national and state agencies; local administrative units; the chief legal controls; criteria of building administration; responsibilities of teachers.

9:10 to 11:00 A.M. (Also offered 1949 summer term—Booker.)

Education 272 The Teacher and School Supervision (3)

Nature, organization, human relationships, and techniques. Sat., 9:10 to
11:00 A.M. (Also offered 1949 summer term.)

Education 273-74 Administration of a School System (3-3)

A comprehensive survey of the management problems of a beginning superintendent: does not anticipate previous experience as a superintendent.

(Not offered in 1949-50.)

Education 275 School Finance (3)

Educational financial theory, practice, and control, including methods of financing. Fri., 7:10 to 9:10 P.M.

Education 276 Seminar: Public Relations in School

Administration (3)

Purposes: gathering materials; disseminating agencies: publicity media; public participation in policy-making. (Not offered in 1949-50.)

Education 278 School Law (3)

Sources and scope of school law; legal rights and responsibilities of teachers, pupils, and taxpayers. Other legal problems of major interest to the group. Fri., 7:10 to 9:10 P.M.

Education 279-80 Adult Education (3-3)

Fall term: nature, extent, and organization of programs in adult education. Winter term: interest, needs, and capacities of adult learners: entirely ent

Education 285 Extra-classroom Activities (3)

Home room functions; student self-government, clubs, assemblies.

Summer term 1949.

Education 287-88 Clinical Study of Reading Problems

(3-3)

For advanced students. Diagnostic work under supervision in the Reading Clinic. Admission by permission of the instructor. Sat., 11:10 A.M. to 1:00 P.M.

Education 291 Planning the School Plant (3)

Selection of sites: evaluation of existing buildings: utilization of present facilities: adaptation to curricular needs: building, operation, and maintenance problems. Sat., 11:10 A.M. to 1:00 P.M.

Education 293-94 Research (3-3)

Individual research under the guidance of a member of the staff. Program and conferences arranged with an instructor.

Education 295 Educational Research Methods and Pro-Fox cedures (3)
Required of all Master of Arts candidates following Plan 2. Knowledge of elementary statistics required. Tues. and Thurs., 6:10 P.M. (Also offered 1949 summer term.)
Education 295x—same as Education 295, but offered winter term. Fri., 5:10 to 7:00 P.M.

Education 297 Reading in Education (1)

To assist these preparing for the comprehensive examination. No credit toward degree requirements. Wed., 5:10 P.M.

Education 297x—same as Education 297, but offered winter term. Wed., 5:10 P.M.

Education 299-300 Thesis (3-3)

Required of all Master of Arts candidates following Plan 1. Time to be arranged. (Also offered 1949 summer term.)

DEPARTMENT OF PHYSICAL EDUCATION FOR MEN

FIRST GROUP

A study of the anatomical mechanism of movement, analysis of the action of muscles in physical education activities. Open to both men and women. Prerequisite: an approved course in anatomy.

42 Aquatic Sports, Sevimming, and Lifesaving (2) Hanken
Physical Education 42x—same as Physical Education 42, but
offered fall term. Fri., 1:00 to 3:00 P.M.

43-44 Techniques of Physical Education Motor The Staff
Activities for Freshman (2-2)
A critical survey of the fundamental skills, rules, organization, appreciations, and attitudes in these activities. Tues. and Thurs., 1:00 to

45-46 Techniques of Physical Education Motor The Staff
Activities for Sophomores (2-2)
Tues. and Thurs., 8:10 to 10:00 A.M.

47 Introduction to Physical Education (2) Myers An orientation course presenting in elementary form the problems of physical education, vocational analysis, historical implication, scientific foundations, and scope of field. Mon. and Wed., 10:10 A.M.

- Myers 48 Introduction to Recreation (2) A course presenting in elementary form the various phases of this field; the role of recreation in modern living; current practices in community recreation work; standards of training, experience, salary; types of leadership needed. Open to both men and women.
- Tate 49 Human Anatomy (3) The structure of the human body. Basic course for physical education majors. Open to both men and women. Prerequisite: Bicles! 1-2 or Zoology 1-2. Mon., Wed., and Fri., 9:10 A.M.
- 58 First Aid and Care of Athletic Injuries (2) Prevention and emergency care of injuries of all types, with special reference to first aid, bandaging, and massage. A practical course.

 Prerequisite: Physical Education 49; Biology 1-2 or Zoology 1-2

 Physical Education 58x—same as Physical Education 58.

 offered fall term. More and West. offered fall term. Mon. and Wed., 1:10 P.M.

SECOND GROUP

- Atwell 102 Play in Education and Recreation (3) The significance of play in human growth and development; play activities for elementary schools and recreation programs. both men and women. 1949-50 and alternate years.
- 103 History and Principles of Physical Education (3) Myers The interpretation of objectives of physical education activities under leadership in terms of developments. leadership, in terms of development, adjustment, and standards. Mon. and Wed., 1:10 to 2:30 P.M.
- 107 Introduction to Methods in Physical Education Essential facts of education, psychology, and sociology, with special reference to the problem of method in physical education. Present site: Biology 1-2 or Zoology 1-2; Psychology 1 and 22; Sociology 1 and 22; Sociology 1 and 2. Mon. and Wed., 1:10 P.M.
- Krupa 109-10 Leadership Organization in the Intramural Principles of administration, organization, and supervision of intramural activities in the physical-education program of the junior Eduschools, senior high schools, and colleges. Prerequisite: Physical Education 47 and 107. Tues. and Thurs., 1:10 P.M.
- The Staff 113-14 Directed Teaching in Physical Education Practical demonstration of teaching procedures in adapting activities to the various problems in the procedures in adapting activities

to the various problems in the secondary school organization, requisite: a minimum of ruelya condition of secondary school organization. requisite: a minimum of twelve credit hours in physical education;

- The Staff
 Teaching procedures in adapting major sport activities to the several
 age-period groups and to individual differences existing in the secondary school organization. Prerequisite: demonstration of a fair
 degree of skill in these various activities; Physical Education 107.
 Mon. and Wed., 12:10 P.M.
- The Staff

 The scientific procedures in adapting these various activities to a secondary school physical-education program. Prerequisite: demonstration of a fair degree of skill in these various activities; Physical Education 107. Mon. and Wed., 1:00 to 3:00 P.M.
 - 121 School and Community Health Programs (3) Dennis Health services, healthful environment, health instruction, sources of material for general health knowledge. Open to both men and women. Prerequisite: Biology 1-2 or Zoology 1-2. Tues. and Thurs., 11:10 A.M. to 12:25 P.M.
 - Organization and Materials of Health Education (3) Dennis
 Organization and presentation of health materials for each age level.
 Prerequisite: Biology 1-2 or Zoology 1-2. Open to both men and women. 1949-50 and alternate years.
 - 123 Psychological Analysis of Activities (2) Krupa
 A detailed analysis of the mental processes during participation in
 Physical education activities. Prerequisite: Psychology 1 and 22.
 (Not offered in 1949-50.)
 - 124 Applied Anatomy and Physiology (3)

 The anatomical and physiological effects of physical-education activity.

 Prerequisite: Physical Education 49; Physiology 115; Biology 1-2 or
 Zoology 1-2.
 - 125 Kinesiology of Sports for the Physically Morgan Handicapped (3)

 Methods employed in the teaching of body mechanics which are adapted to the prevention and correction of physical disabilities. Prerequisite: Physical Education 49 and 124; Biology 1-2 or Zoology 1-2. Wed., 7:10 to 9:10 P.M.
 - 131 Tests and Measurements in Physical Education Atwell
 (3)
 Critical survey of tests in physical activities; methods of test construction; elementary statistics. Open to both men and women.
 Mon., Wed., and Fri., 11:10 A.M.
 - Survey course in camp counseling. Open to both men and women.
- Required of every major student in the junior or senior year. Assignments are made to schools in Washington, D. C., and vicinity. Prerequisite: Education 131; Physical Education 113-14. Practice teaching fee, \$8 a credit hour. Time to be arranged.

138 Administration and Organization of Physical Myers

Education (3)

The administration of a unified program; a study of physical education plants, athletic fields, and equipment. Prerequisite: Physical Education 47.

Foster
Foster
Fall term: groups and their significance, group work principles and methods, professional and volunteer leaders, organization and development of programs. Winter term: application to social-recreational activities. 1949-50 and alternate years, Tues., 7:35 to 9:35 P.M.

Foster

Fall term: organization and direction of physical recreation pregrams. Winter term: organization and direction of special recreation
tional activities, such as arts and crafts, dramatics, group singing, and
nature walks. 1950-51 and alternate years.

161 Community Organization for Recreation (3)
Objectives and needs; urban, rural, county, and district organization; state and federal services; planning, appraisal, and research.
1950-51 and alternate years.

Training of professional and volunteer recreation workers: planning programs for home, neighborhood, district, city, county, and residue winning public sentiment to recreation needs. 1950-51 and alternate years.

THIRD GROUP

Problems in Physical Education (3)
For experienced teachers. Organization, supervision, and curriculum problems growing out of current issues; program planning; policies, competition. 1950-51 and alternate years.

Problems in Health Education (3)

Health needs; policies and program planning; use of community resources; promising practices in the field. 1950-51 and alternate years.

Phillips
Planning the evaluation program; review of outcomes; analysis of tests and standards; administration and interpretation of tests; kuidance. Sat., 9:10 to 11:00 A.M.

Adaptations of activities to meet the special needs of students with physical disabilities resulting from such conditions as postural deviations, cardiac irregularities, operations, and poliomyelitis.

PHYSICAL EDUCATION FOR WOMEN

FIRST GROUP

- 15-16 Methods of Teaching Physical Education The Staff Activities (2-2)
 - (a) Team Sports: teaching procedures, organization and equipment; (b) Recreational Dance: methods and materials for teaching folk, square, and social dance. Locker and towel fee, \$2 a term. Wed., 1:00 to 4:00 P.M. Other hours to be arranged.
 - 18 Kinesiology (3) A study of the anatomical mechanism of movement, analysis of the action of the muscles in physical education activities. Open to both men and women. Prerequisite: an approved course in anatomy.
 - 48 Introduction to Recreation (2) Myers A course presenting in elementary form the various phases of this field; the role of recreation in modern living; current practices in community recreation work; standards of training, experience, and salary; types of leadership needed. Open to both men and women.
 - 49 Human Anatomy (3) Tate The structure of the human body. Basic course for physical education majors. Open to both men and women. Prerequisite: Biology 1-2 or Zoology 1-2. Mon., Wed., and Fri., 9:10 A.M.

SECOND GROUP

- 102 Play in Education and Recreation (3) The significance of play in human growth and development, play activities for elementary schools and recreation programs. Open to both men and women. 1949-50 and alternate years.
- 103 History and Principles of Physical Education 1950-51 and alternate years. Atwell
- 105-6 Therapeutic and Remedial Physical Education Lawrence and Physical Examinations (3-3) Cause and correction of faulty body mechanics and other abnormal physical conditions, physical examination methods used in diagnosis
 - of physical defects, program adaptation to special cases. Prerequisite: Biology 1-2 or Zoology 1-2. Mon., Wed., and Fri.,
- 111-12 Methods of Teaching Physical Education The Staff Activities (2-2)
- (a) Individual and Dual Sports: teaching procedures, organization and equipment; (b) Modern Dance: methods and materials for teaching Modern Dance, dance composition Locker and towel fee, 22 a term. \$2 a term. Wed., 1:00 to 4:00 P.M. Other hours to be arranged. The locker and towel fee is required for registration in one or more of the activity courses.

119-20 Problems in Teaching Physical Education The Staff
Activities (2-2)

Advanced material for teaching of physical education with opportunity for specialization in sports or in dance. (a) Teaching and officiating in individual, dual, and team sports; (b) Advanced technique, projects in teaching and production in the dance. Locker and towel fee, \$2 a term. Wed., 1:00 to 4:00 P.M. Other hours to be arranged.

- 121 School and Community Health Programs (3) Dennis
 Health services, healthful environment, health instruction, sources of
 material for general health knowledge. Open to both men and
 women. Prerequisite: Biology 1-2 or Zoology 1-2. Tues. and
 Thurs., 11:10 A.M. to 12:25 P.M.
- Organization and presentation of health Instruction (3) Dennis
 Organization and presentation of health materials for each age level
 Prerequisite: Biology 1-2 or Zoology 1-2. Open to both men and
 women. 1949-50 and alternate years.
- Physical Education (3)

 Practice in giving physical examinations, analysis of results, prescription and teaching of corrective exercises; observation in orthogen of control of the struction in bandaging and massage. Prerequisite: Physical Education 18, 49, and 105-6, Biology 1-2 or Zoology 1-2.
- (3)
 Critical survey of tests in physical activities; methods of test construction; elementary statistics. Open to both men and women. Mon., Wed., and Fri., 11:10 A.M.
- 132 Camp Leadership (1)
 Survey course in camp counseling. Open to both men and women.
- 133-34 Observation and Practice Teaching (3-3)
 Directed teaching with weekly conferences in junior and senior high schools. Physical Education 134, practice teaching fee, \$8 a credit hour. Time to be arranged.
- 135-36 Survey of Dance History and Dance Forms

 (3-3)

 Primitive, Greek, medieval, pre-classic, romantic, and modern periods. Traditional forms, such as polka, schottische, mazurka, and directions. Pundamental movement techniques, composition, and dance cussion. Designed for students interested in art, drama, and dance.

[•] The locker and towel fee is required for registration in one or more of the activity courses.

- 140 Administration of Physical Education (3) Atwell
 Organization and administration of physical education in elementary
 and secondary schools and in colleges. Prerequisite: Physical Education 103. 1950-51 and alternate years.
- Fall term: groups and their significance, group work principles and methods, professional and volunteer leaders, organization and development of programs. Winter term: application to social-recreational activities. 1949-50 and alternate years, Tues., 7:35 to 9:35 P.M.
- Foster Fall term: organization and direction of physical recreation programs. Winter term: organization and direction of special recreational activities, such as arts and crafts, dramatics, group singing, and nature walks. 1950-51 and alternate years.
 - 161 Community Organization for Recreation (3)
 Objectives and needs; urban, rural, county, and district organization;
 state and federal services; planning, appraisal, and research. 1950-51
 and alternate years.
 - 162 Administration and Supervision of Recreation

 Training of professional and volunteer recreation workers; planning programs for home, neighborhood, district, city, county, and region; winning public sentiment to recreation needs. (Not offered in 1949-50.)

THIRD GROUP

- Problems in Physical Education (3)
 For experienced teachers. Organization, supervision, and curriculum problems, growing out of current issues; program planning, policies; competition. 1950-51 and alternate years.
- Problems in Health Education (3)
 Health needs, policies and program planning, use of community resources, promising practices in the field. 1950-51 and alternate years.
- Planning the evaluation program, review of outcomes, analysis of tests and standards, administration and interpretation of tests, guidance, Sat., 9:10 to 11:00 A.M.
- 240 Physical Education for the Atypical
 Adaptations of activities to meet the special needs of students with
 physical disabilities resulting from such conditions as postural deviations, cardiac irregularities, operations, and poliomyelitis.

SCHEDULE OF EVENING AND SATURDAY CLASSES

FALL TERM 1949-50

Monday Evenng 7:10 to 9:10

Education 217 Contemporary Problems in Education
Education 279 Adult Education

Tuesday Evening 7:35 to 9:35
Physical Education 151 Group Leadership Activities
Education 213 History of Education
Psychology 223 Seminar: Learning
Education 231 Secondary School Classroom Procedures
Education 247 Vocational Education

Wednesday Evening 7: 10 to 9: 10
Physical Education 125 Kinesiology of Sports for the Physically Handicapped
Education 205 The Curriculum
Education 259 Secondary School Management

Wednesday Evening 8:10 to 10:00
Psychology 229 Seminar: Occupational and Educational Information

Thursday Evening 7:35 to 9:35
Education 215 Seminar: Great Teachers in American Education
Education 263 Employee Training

Friday Evening 6:10 to 8:00
Psychology 231 Test Construction

Priday Evening 7:10 to 9:10

Education 225 Seminar: Elementary Education in the Intermediate Grades
Education 251 Guidance in Secondary Schools
Education 275 School Finance

Saturday Morning 9:10 to 11:00
Education 123 Reading Problems
Physical Education 231 Evaluation in Physical Education
Education 227 Elementary Education
Education 233 Audio-visual Education (lecture)
Education 271 The American School System

Saturday Morning 10:10 to 12:00
Psychology 225 Seminar: Mental Hygiene

Saturday Morning 11:00 to 1:00

Education 209 Child Growth and Development
Education 255 Secondary Education
Education 287 Clinical Study of Reading Problems
Education 291 Planning the School Plant

WINTER TERM 1949-50

Monday Evening 7:10 to 9:10

Education 138 Teaching Social Studies

Education 218 Contemporary Problems in Education

Education 280 Adult Education

Tuesday Evening 7:35 to 9:35
Education 136 Teaching English

Physical Education 152 Group Leadership Activities

Education 214 History of Education Education 248 Vocational Education

Education 254 The Junior High School

Wednesday Evening 5:10 to 7:00 Education 144 Teaching Science

Wednesday Evening 7:10 to 9:10
Education 206 The Curriculum

Education 260 Secondary School Management

Thursday Evening 7:35 to 9:35

Education 216 Seminar: Great Teachers in American Education
Education 264 Employee Training

Priday Evening 7:10 to 9:10

Education 226 Seminar: Elementary Education in the Intermediate Grades

Saturday Morning 9:10 to 11:00

Education 124 Reading Problems

Education 228 Elementary Education

Education 233x Audio-visual Education (lecture)

Education 272 The Teacher and School Supervision.

Saturday Morning 11:10 to 1:00

Education 210 Child Growth and Development

Education 256 Secondary Education Education 288 Clinical Study of Reading Problems



THE GEORGE WASHINGTON UNIVERSITY WASHINGTON, D. C.

Report of the Comptroller

FOR THE YEAR ENDED AUGUST 31, 1949



	(3 —		
15 16 17 18 19 19			88622	78
A Balance Sheet. B Summary of Current Operating Income and Expense. B Summary of Current Funds Unrestricted Surplus C Summary of Current Funds Restricted. D Summary of Loan Funds Principal. E Summary of Endowment Funds Principal. F Summary of Plant Funds Principal. G Summary of Net Investment in Plant.			11 Changes in Principal of Loan Funds 12 Changes in Principal of Endowment Funds 13 Changes in Principal of Plant Funds—Unexpended	Gifts and Grants Description of Loan, Endowment, and Plant Funds.

INDEX OF LOAN, ENDOWMENT, AND PLANT FUNDS

8%	88 94 94 94	93 91 86 93	5688	95 91 91	888 888 888	83 94 95 85
Knapp.	Law School Expansion Lewis Library Books	Meyer Library Morehouse. National Park Seminary.		Pairo. Pearson. Powell	Reichelderfer Reinhardt Reserves for Protection of Investments Consolidated Endowment Consolidated Plant. Scottish Rite	82 Sanders Endowment 91 Sanders Fellowship 84 School of Engineering Building 91 School of Medicine Endowment
82.2	#\$ \$ \$ \$ \$		8888	8282	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
AckerAlumni Endowment	Alumni Professorship. Andrews. Bartach. Borden.	Burna. Campaign Carr	Carter, M. M. Carter, M. M. Chamberlin	College Women's Collina Collina Columbian Women Funds. Congressional	Comper Contental Courter D. C.—D. A. R. Endowment D. C.—D. A. R. Loan	Davis Unrestricted Endowment Davis Prize Davis Scholarship Deper

LETTER OF TRANSMITTAL

October 15, 1949

To the President and the Board of Trustees

The George Washington University

Washington, D. C.

GENTLEMEN:

I am submitting herewith the Report of the Comptroller of The George Washington University for the fiscal year ended August 31, 1949. This report is a review of the budget operations for the year and is based on the budget approved by the Board of Trustees of the University.

The accounts of the University are kept and its financial reports set up as far as practicable in conformity with the recommendations of the National Committee on Standard Reports for Institutions of Higher Education. Under that plan the funds of the University are classified in various fund groups, and the accounts and financial statements are set up to segregate clearly the assets and liabilities of each of these groups as indicated in the balance sheet, Exhibit A.

R. G. Rankin & Co. have examined the accounts of the University for the past year, and their certificate is submitted herewith.

A condensed summary of the principal facts in the report is presented below and on succeeding pages, followed by detailed Exhibits and Schedules.

Respectfully submitted, HENRY W. HERZOG Comptroller

These Funds represent unrestricted assets which are available for immediate use in the current operation of the University. Operating Income for the Year (Exhibit B and Schedule I). Excess of Current Operating Income over Current Operating Expense (Exhibit B). Operating Expense for the Year (Exhibit B and Schedule 2).

The latter amount was added to Current Funds Unrestricted Surplus. During the year \$950,729.38 was expended for real estate or capital improvements, and \$43,234.79 was applied to the reduction of Trust Notes Payable. Surplus at the end of the year amounted to \$668.870.85 (Exhibit B). A Deferred Charge of \$316,264.39 is shown on Exhibit. A representing a loss on the operation of the hospital of \$248,317.40 for 1947-48 and \$67.946.99 for 1948-49. This loss is to be recovered from gifts and other income.

The other Deferred Charge shown on Exhibit A represents Hospital Equipment in the amount of \$165,807.13 purchased by the University in excess of the amount paid for from receipts of the Hospital Equipment Fund. This is fully explained on page 9.

Accounts Receivable in the amount of \$663,290.59 include \$470,625.98 due from the Veterans Administration under the "GI Bill of Rights," and \$171,472.82 due the Hospital (Schedule 3).

Scholarships were awarded to students from the following sources: Current Funds Unrestricted, \$19,128.00 (Schedule 2—Page 6); Endowment Income, \$4,718.27 (Schedule 10-Page 3).

CURRENT FUNDS—RESTRICTED

Research grants, investment income, gifts, and agency funds comprise these funds which consist of currently expendable assets, limited as to disposition (Exhibit C and Schedule 10) During the year restricted gifts and grants for use as specified amounted to \$507,089.31 (page 78). Restricted endowments earned \$82,630.95. Unexpended Restricted and Agency Funds totaled \$244,969.24 (Exhibit C).

LOAN FUNDS

For the assistance of students seeking financial aid, loan funds have been established by the University and other organizations Schedule 11). Loans are made at a low rate of interest and when repaid the interest is added to the principal of the funds.

During the year, 107 loans were made to students. Loan Funds totaled \$37,518.00 (Exhibit D).

ENDOWNENT FUNDS

for income-producing purposes. The principal amount and changes during the year of every endowment fund are recorded in Schedule 12. A description of the funds begins on page 82. The principal of all endowment funds amounted to \$2,896,544.62, an increase of \$108,675.17 (Exhibit E). These funds are represented by assets which, under the terms of wills, deeds of gift, or under the by-laws of the University, must be held in perpetual trust

"Consolidated Endowment Funds" consisted of ninety-two endowments with a total value of 1,1495,441.79 (Schedule 5—Page 2).

The assets of these funds are combined to eliminate the possibility of partial or total loss of any fund through the failure of a specific investment, and to avoid temporary suspension of income and the carrying of uninvested small cash balances, and to give equality of treatment to all funds. Unless otherwise restricted by the donors, the assets of all new endowments are added to the assets of the Consolidated Endowment Funds.

Reserves for Protection of Investments were as follows: Consolidated Endowment Funds, \$57,251.35; Scottish Rite Fund, \$59,561.38 (Schedule 12-Page 3).

participating funds in the proportion cach fund bears to the total of the entire group. The rate of return on the investments of these funds amounted to 4.3931? during the past year and, after deducting 10% as a reserve against losses (Schedule 12-Page 3), was Earnings of Consolidated Endowment Funds are recorded in one income account and at the end of the year are distributed to the distributed at the rate of 3.9538%.

The Scottish Rite Endowment Fund earned 3.6748% net income on its investments during the year just ended.

Net income of all endowment funds for the year was \$100,402.90 (Schedule 10-Page 3).

Pledges to the School of Medicine Endowment Fund on August 31, 1949, totaled \$142,344.00.

The Hospital Equipment Fund was created in 1945 by gifts of various donors and has since been increased by gifts and other income for the purchase of equipment for the new Hospital. A report of activity through August 31, 1949, follows:

	1,076,255.48	910,448.35
12,056.84 113,669.25 830,666.55	119,862.84	
1945 46. 1946-47. 1947-48.	1948-49.	Jospital Equipment Fund receipts.
1945-46. 1946-47. 1947-48.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
		018
	6	s of receipts
1946-4 1946-4 1947-4	1948-4	receipts
Hospital Equipment purchased—1945-46.	2	Jospital Equipment Fund receipts.
Hospital F	79	Hospital F

9

The latter amount is reported on Exhibit A as a Deferred Charge under Current Funds Unrestricted in anticipation of further gifts to reimburse the University for the amount which has been advanced to meet this immediate need. Unpaid pledges to the Hospital Equipment Fund totaled \$14,272.42.

The Reserve for Protection of Consolidated Plant Funds Investments ended the year with a balance of \$1,143.29 (Schedule 13), During the past year all income in excess of 3% of net income was transferred to the Reserve Fund.

PLANT FUNDS—INVESTED IN PLANT

By virtue of a quitclaim deed dated February 28, 1949, the United States of America, through the Federal Works Administrator, conveyed to the University all of its rights, interest, and title to all of the land in Square 54, bounded by 22nd Street, I Street, 23rd Street, and Pennsylvania Avenue, N. W., together with the improvements known as The George Washington University Hospital. As consideration, the University had previously paid to the Government \$548,167.50. The Buildings and Lands Committee of the Board of Trustees appraised the hospital building at \$6,000,000 and the land at \$1,389,564, making the total valuation \$7,389,564. (Schedule 8-Page 1),

University all contractual rights (including the right to revenues and other proceeds) and all property rights, title and interest of the United States in and with respect to the temporary housing and equipment therein located in Squares 56, 77, and 79, effective Septem-Pursuant to the request of the University dated July 12, 1948, filed in accordance with Public Law 796, 80th Congress, approved une 28, 1948, the Housing and Home Finance Administrator relinquished and transferred, without monetary consideration, to the These housing units have been appraised at \$150,000 (Schedule 8-Page 1), and equipment at \$20,000 (Schedule 9).

The investment in the physical plant of the University is analyzed as follows:

EXHIBITS A AND G, SCHEDULES 8 AND 9	BALANCE AUGUST 31, 1948	Additions	REDUCTIONS	BALANCE August 31, 1949	
LAND AND BUILDINGS.	7,079,900.21	7,882,125.88	:	14,962,026.09	
Equipment	1,728,893.21	155,439.43		1,884,332.64	
TRUST NOTES PATABLE.	350,671.15	:	43,234.79	307,436.36	
Net Investment in Plant	8,458,122.27	8,080,800.10		16,538,922.37	

October 15, 1949

TO THE PRESIDENT AND THE BOARD OF TRUSTEES
THE GEORGE WASHINGTON UNIVERSITY
WASHINGTON, D. C.

confirm receivables from United States Government Agencies, but we have applied other auditing procedures in verification of this Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the It was not practicable to We have examined the balance sheet of THE GEORGE WASHINGTON UNIVERSITY as of August 31, 1949, and the related statements of current operating income and expense, current funds surplus, and other fund transactions for the fiscal year then ended. accounting records and such other auditing procedures as we considered necessary in the circumstances.

sistent with that of the preceding year, except that a depreciation policy was established during the year under review with respect to the In our opinion, the balance sheet and related statements of current operating income and expense, current funds surplus, and other fund transactions included in the accompanying REPORT OF THE COMPARED OF THE UNIVERSITY, present fairly the financial position of THE GEORGE WASHINGTON UNIVERSITY as of August 31, 1949, and the results of its operations for the fiscal year then ended, in conformity with generally accepted principles of university and college accounting applied on a basis conhospital building and equipment, which resulted in a charge of \$150,000 to current operating expense.

R. G. RANEIN & COMPANY
CERTIFIED PUBLIC ACCOUNTANTS

THE GEORGE WASHINGTON UNIVERSITY

BALANCE SHEET

August 31, 1949

A55115

LIABILITIES

					(d.8, 870.85 1,647,798.67
		850,000.00	66,475.04	62,452.78	(458,870.85
FUNDS	NCTED	Norze Pavaele—Riggs National Bank. Due on or before November 29, 1949. Interest 3%	Accounts Payable	DEFERRED INCOME (Schedule 3).	SURPLUS (Exhibit B)
CURRENT FUNDS	UNAESTRICTED	327,162.8 0 663,290.59	,273.67		165.807.11 1.647,798.67
				gifts and other	Hospital Deficit Hospital Equipment 165

	PRINCIPAL OF FUNDS (Fahibit C).
	244,969.24
53,310.38	30.000 00
United States Government	J. S. A. SAVINGS BONDS Series G, 212'7, due 11-1 54.

RESTRICTED

CASH. 140,124.86

	PRINCIPAL OF PUND
	37,518.00
18,913.27	18,004.73
CASH	LOANS RECEIVABLE (Schedule 4)

a (Exhibit D)....

LOAN FUNDS

37,518.00

244,969.24

		-	_ 13 —			
	7,890,544.07		240,261.62	16,846,358,73	21,913,450.88	
	:			307,436.36	0 0 0 0 0 0 0	
	ids (Exhibit E)		NDS (Exhibit F).	PLANT TRUST PAYABLE 307,436.36 Schedule 8 Schedule 8 Schedule 8 St. 972, 37 16,846,358.73 New Investment (Fixibit 6) 16,538,972,37 16,846,358.73	Total	
S	541,541.45 2,895,544.62 PRINCIPAL OF FUNDS (Exhibit E)	NDED	240,261.62 PRINCIPAL OF FUNDS (Exhibit F)	IN PLANT TRUST NOTES PAYBLE (Schedule 8)		-
	Z,895,344.62 PRINCIP	UNEXPENDED	240,261.62	INVESTED IN PLANT TRUST N TRUST N 16,846,358,73 Net 1 N 1 1 1 1 1 1 1 1	21,913,450.88	
2,502,011.07 2,555,003.17	341,541.45		60,601.63	Invested 14,962,026.09 1.884.332.64.16.846.358.73		
CASE	(Schedule b)		CASH. INVESTMENTS (Schedule 7)	LAND AND BUILDINGS (Schedule 8).	Total	

Ехнівіт А

SUMMARY OF CURRENT OPERATING INCOME AND EXPENSE

For the Year Ended August 31, 1949

Income (Schedule 1) Educational and General Student Fees.		3,740,504.22		
Crants for Organized Research	470,911.60	477,522.16		
Miscellaneous Sources. Activities Relating to Instruction—Hospital. Other.	2,100,698.34	2,137,426.47	6,563,637.78	
Auxiliary Enterprises			340,751.96	340,751.96 6,904,389.74
Exrense (Schedule 2) Educational and General				

	5,957,823.12
	6,032,262.86
634,198.91 1,686,114.78 470,911.60 72,936.64 355,200.29 267,092.41 2,205,324.80	41,592.55
0 0 0 0	

SUMMARY OF CURRENT FUNDS UNRESTRICTED SURPLUS For the Year Ended August 31, 1949

528,903.00	- 15.230,211.59 - 12.59 114.59			1,090,243.74	668,870.85	Ехнівіт В
	946, 566.62 67, 946.99 64, 897.19 150,000.00 3.18 426.50 371.11	950,729.38	96,279.57	43,234.79		
	ome. Cumulative		64,897.19 7,859.41 16,889.02 6,633.95	350,671.15		
Balance August 31, 1948	Excess of Current Operating Income over Current Operating Expense (see above) Deferred Charges—To be recovered in subsequent years from gifts and other income. Cumulative figures reported on Exhibit A Loss on operation of the Hospital Hospital Equipment Reimbursement for depreciation on hospital building and equipment (Exhibit G) Administrative Reserve Fund (Schedule 10—Page 4). Reimbursement for expenditures made prior to September 1, 1948 Class of 1929 Women's Unit No. 3 (Schedule 13). General Building Fund (Schedule 13).	DEDUCTIONS Transferred to Net Investment in Plant—Exhibit G Land and Buildings	Hopital Conduite of Hopital Numes Home Student Union Building Welling Hall	Reductions of Trust Notes Payable—Exhibit G. Trust Notes Payable August 31, 1948. Trust Notes Payable August 31, 1949.	BALANCE AUGUST 31, 1949—Exhibit A.	

SUMMARY OF CURRENT FUNDS RESTRICTED

For the Year Ended August 31, 1949

			— 16 —	
AGENCY	15,778.96	21,611.67	23,204.40	14,186,23
MISCEL- LANBOUS	24,175 46	11,680.49	3.18 6,099.92 9,000.00 2,550.00 847.33 816.63 508.63 226.00	14.(%).86
INVESTMENT	77,787.01	112, 502.64	50 4	50.181.55
ORGANIZED RESEARCH	142,716.30	494,135.06	200	111 1111 111
TOTAL	260,457.73	505,815.55 112,502.64 21,611.67 639,929.86	287,637.44 183,274.16 1,238.92 5,545.67 40.00 3.18 82.14 95,989,99 197.69 50,152.70 5,653.47 847.33 816.63 226.00 23,204.40 655,418.33	3-7 (July 1-3-7
	ALANCE AUGUST 31, 1948	Gifts and grants Investment income. Deposits.	Salaries. Expenses Expenses Prizes. Scholarships Honorarium Transferred to the following Exhibit B—Surplus Exhibit G—Net Investment in Plant Schedule II—Lornent Operating Income Schedule II—Lornent Operating Income Schedule II—Lornent Punds Schedule I2—Findowment Funds Schedule I3—Plant Funds Key deposits refunded Other disbursements	the state of the s

V.Xminter C.

244.909 24 105.939 76 50.181 39 14.661.86 14.186.23

SUMMARY OF LOAN FUNDS PRINCIPAL For the Year Ended August 31, 1949

Balance August 31, 1948	•	40,040.75
Appirions (Schedule 11) Income of D.C.—D.A.R. Endowment Fund Interest on loans	197.69	653.91
		40,694.66
Deductions (Schedule 11) Refunded to United States Government.	:	3,176.66
Balance August 31, 1949—Exhibit A	:	37,518.00

— 17 —

Exhibit D

V.witting W.

BALANCE AUGUST 31, 1949—EXHIBIT A. 2,896,544.62

SUMMARY OF ENDOWMENT FUNDS PRINCIPAL

For the Year Ended August 31, 1949

62 (A) eq	108,739.39	64.22 108,675,17
51,397.53 47,132.02 1,209.84	9,000.00	
Abbitions (Schedule 12) Gifta. Investment income. Gain on sale of investments	Transferred from Schedule 10—Page 4.	Depuctions (Schedule 12) Loss on sale of investments

Balance August 31, 1948			239,257.60
Appirions (Schedule 13) (Jifta Investment income. Gain on sale of investments. Transferred from Schedule 10—Page 4.	56,655.38 5,638.49 2,494.00 2,550.00	67,337.87	
Deductions Loss on sale of investments Transferred to Surplus—Exhibit B. Isquipment—Invested in Plant—Exhibit G.	4,907.75 797.61 60,628.49	66,333.85	1,004.02
Balance August 31, 1949—Exhibit A.			240,261.62

— 19 —

Ехнівіт F

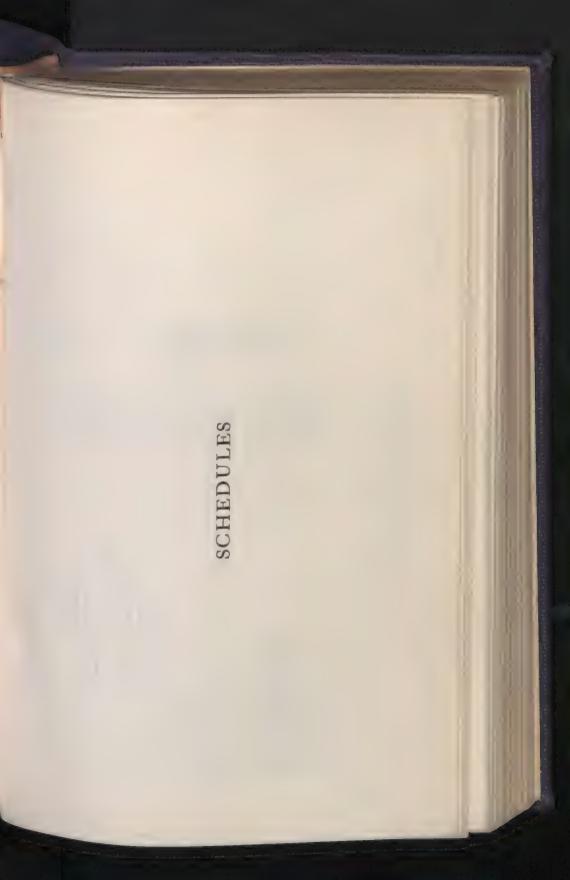
EXMINIT G

BALANCE AUGUST 31, 1949—EXMINIT A.....

SUMMARY OF NET INVESTMENT IN PLANT

For the Year Ended August 31, 1949

8,458,122.2/		245,439.43 8,230,800.10 16,688,922.37	150,000.00
. 0	7,942,125.88		00,000,00
	950,729.38 6,841,396.50 150,000.00 7,942,125.88	96,279.57 82.14 60,628.49 66,349.23 2,100.00 20,000.00	
Balance August 31, 1948. Additions Reductions in Trust Notes Payable (Exhibit B)	Land and Buildings (Schedule 8) Current Funds Unrestricted Surplus (Exhibit B). Gifts of United States Government (page 80) Hospital—excess of appraised value over cost. Veterans Housing—appraised value.	Equipment Current Funds Unrestricted Surplus (Exhibit B). Current Funds (Exhibit C). Plant Funds (Exhibit F). Departments (Schedule 2—Page 6) Gifts (Page 80) Hospital Equipment Veterans Housing Equipment.	Depucrions—(Exhibit B) Provision for Depreciation—Hospital (Schedules 2 and 8) Provision for Depreciation—Hospital Equipment (Schedules 2 and 9).



CURRENT OPERATING INCOME For the Year Ended August 31, 1949

EDUCATIONAL AND GENERAL

1,923,733.52	1,022,800.50	2,946,534.02
840,977.39 355,794.54 8,948.00 237,538.61 509.00 196,862.86 283,103.12	405, 146.40 88, 313.62 293, 302.81 207, 864.00 28, 173.67	154,372.25 72,500.50 936.00 72,808.25 48,169.00 137,176.25 132,614.00 22,078.25 53,118.00
Tuition and Laboratory Junior Callege Columbian College Graduate Council School of Government Division of Secretarial Studies Special Students Liniversity Students	Law School School of Education " Hingeneering " Medicine " Pharmacy.	Summer Sessions – Junior College Columbian College Craduate Council School of Government Division of Special Students Law School School of Education Character R R R R R R R R R R R R R

1,315.95 3,642,313.97

Unallocated—Old Fees

98.190.25 3,740,504.22

Miscellaneous Fees

107.70	1,281.00	225.00	644.00	216.60	48,050.00	400.00	781.65	450.00	440.00	,384.00	365.00	6,390.00	1 455 20
57	-				48,							9	-
e	۰	e						0		Service.		٠	
0	0	0	0		0		0.0	0					TADECTOTS
0			0		0						0		
0				-	۰		-						
				-				-					
0		0				٥						0	
	0	0							-				
В		- 4	0			-		0	0				
		0	0		0				0				
0		- 0						0					
0		0		0									
0				- 1	0								
0			0	0							-		
									۰				
8.0	0	0		0		0					- 4		
0		0		0	0	0	0						
		0	0	0			D			0			
0	0												
0					0				0	0	۰		
0				0	0.00	0.0				0			
0						0	0.0	0	0 10	0			
0			0						0				
0	0	-	0					-					
0			0						÷	0	0		
	0	٥	0	-							-		
			0		0					0		0	
0									0			4	
0		0								0		O	
0		0	4	0	0	0		99			=	123	
0			0	0	0.00	0	0	8	0		Q.	200	
0			0	0	0	0	1.5	ĕ	0	0	ati	0	
6	-		00	0		0	. 1		ث	0	G.	3	
	2	OD	8	0	0	0	8	0	5	0	E	See	
ġ:	e.	D.	P		g	0	100	5	E		M d	25	118
Application.	Aptitude Lests.	Art Validation.	Binding I heres.	Inter kage.	Craduation	Late	Library Fine.	Publication of Theses.	Keinstatement	:6	zi,	Student Bar Association	TIL
9	Dr.	-	00	CR)	CE		7	CS	ta	S.	65	Ca	SC
i.	1	>:	5	E .	5	ei	E :	-	E.	5	ec.	D	AIR
D.	D	t.	E	TE	- P	10:	0,	2	Ce	S.	à.	110	bes
T 0	C a	EC 6	20 0	2	2) 0	- 0	- 5	346	de (136	136	00 6	

SCHEDULE 1-PAGE 1

CURRENT OPERATING INCOME (Continued) For the Year Ended August 31, 1949

EDUCATIONAL AND GENERAL (Continued)

88,743.55		6,610.56	470,911.60
85,747.28	14.81	6,595.75	636,851.36
23,771.95	0 0 0 0 0 0 0 0 0 0 0	6,233.25	142,716.30
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	133.33	
INVESTMENT INCOME (Schedule 10) Endowment Funds—Unrestricted. Restricted. Plant Funds—Restricted.	Girms Unrestricted (page 78)	Restricted Schedule 10 Freeman and Watts Fund Jewish Social Service Fund Markle Foundation Other (page 78)	Grants for Organized Researce (Schedule 10) Deferred from 1947-48. Income 1948-49. Deferred to 1949-50

24 —

2, 763.10 4, 155.42 2, 156.0.93 2, 120.00 8, 218.61 8, 218.61	
2,763.10 4,155.42 2,680.93 2,120.00 34,725.13 3,038.00 38,218.61	
4, 058. 55 2, 602. 79 7, 289. 40	
2, 538.29 573.49 1,085.09 4,113.75 6,60.17 136.82 7,751.23 20.00 492.40	
tration—Handling Fee. stration—Handling Fee. stratio	
on n-Handling Fee	
unts Earned coming Celebration llancous Income llancous Income ma Clinic on University Property—Net of Clinic and Activities that Activities r Review versity Players. dent Council dent Council dent Council Sole Error Tree 1947 Therry Tree 1949 Therry Tree 1949 Therry Tree 1949 Therry Tree 1948	
Miscellancounts Earned Homecoming Celebration Miscellancous Income Reading Clinic Rent on University Property—Net Speech Clinic Veterans Administration—Handling Fee Student Activities Athletics—Programs Law Review University Players Student Council Book Exchange Cherry Tree 1948 Cherry Tree 1948 Cherry Tree 1949 Cherry Tree 1949 Cherry Tree 1949 Cherry Tree 1949 Cherry Tree 1948 Cherry Tree 1948 Cherry Tree 1948 Cherry Tree 1948 Cherry Tree 1949 Cherry Tree 1948 Cherry Tree 1949 Cherry Tree 1940 Cherry Tree 194	

SCHEDULE 1-PAGE 2

CURRENT OPERATING INCOME (Continued)

For the Year Ended August 31, 1949

EDUCATIONAL AND GENERAL (Continued)

ACTIVITIES RELATING TO INSTRUCTION—HOSPITAL

1,177,938.16	886,384.25	68,495.19
324,728.40 608,254.58 176,863.18 68,092.00	131, 774.50 63, 782.00 167, 908.00 114, 366.83 39, 988.50 161, 327.09 26, 246.50 6,874.85 104, 069.80 38, 190.93 19, 787.75 2, 412.00 9,655.50	31, 373.38 3, 376.50 23, 573.02 5, 394.40 4, 173.25 604.64
Room Charges Private Rooms. Semi-Private Rooms. Wards Nursery.	Operating Rooms Delivery Rooms Delivery Rooms Anerthesia Anerthesia X-Ray Physical Medicine Laboratorics—Tests Pharmacy Medical and Surgical Supplics—General Sectorocachalographs Electrocachalographs Sectorocachalographs	Out-Patient Departments Clinic Clinic Chinic Chyltalmology Urobey Surgery Faychiatry Other Income—Telephone

	72.862.20 2,100,698.34	36,728.13
3,027,836.14	72.862.20	36,383.14
117,084.84 2,027,836.14	66,967.91 1,821.65 524.75 60.00 882.50 1,146.52	82,064.36
49,319.67 29,140.29 29.65 2,199.82 13,535.77 22,859.64		54,627.00 27,408.60 28.76
Less Deductions Allowances—Health Security Administration. Croup Hospitalization. C. Group Hospitalization. C. C. Health Department Free Work Uncollectible Accounts Receivable	Other Sources Cafeteria Special Duty Nurses Laundry Ambulance Service Gifts (page 78) Endowment Income (Schedule 10—Page 2) Miscellaneous	Activities Relating to Instruction—Other Post-Graduate Medical Education Deferred from 1946-47 Tuition Gift (page 78) Deferred to 1949-50. Orthoptic Training—Deferred from 1946-47.

SCHEDULE 1-PAGE 3

CURRENT OPERATING INCOME (Continued)

For the Year Ended August 31, 1949

AUXILIARY ENTERPRISES

		340,751.96	6,904,389.74
136,132.04	8,317.50	196,302.42	
22,242.55 18,950.02 34,426.47 37,160.52 18,480.80 4,871.68	1,237.50 4,500.00 660.00 1,920.00	39,645.38 4,452.56 10,600.00 95.00 110,055.13 586.35	
RESIDENCE HALLS Nurses Home— Everglades Apartments Staughton Hall Strong Hall Veterans Housing Welling Hall 2025 H Street, NW	SORONITY HALLS 2112 G Street, NW 2129 G Street, NW 2131 G Street, NW 802 21st Street, NW	OTHER Dining Hall Duplicating Bureau Lasarer Audisorium Martha Washington Club Student Club Student Club Student Club Student Club Student Club	TOTAL- EXHIBIT B

CURRENT OPERATING EXPENSE For the Year Ended August 31, 1949

EQUIPMENT

OTHER

CD			15	-	- !	29	_	-									.15
EXHIBIT G			297.15			25,330.00											25,627.15
EXPENSE			53,370.07	2,480.90	15,312.72	49,467.86	4,388.91	7,660.77	3,743.70	1,040.80	736.19	16,332.39	14,280.17	42,448.00	243.46	1,771.49	213,277.43
SALARIES	Charles and the Control of the Contr		53,341.00	15,154.84	87,062.35	49,054.97	44,618.26	42,104.75	15,319.38	9,649.88	450.00	16,260.48	22,675.94	16,072.92	925.00	22,604.56	395,294.33
TOTAL			107,008.22	17,635.74	102,375.07	123,852.83	49,007.17	49,765.52	19,063.08	10,690.68	1,186.19	32,592.87	36,956.11	58,520.92	1,168.46	24,376.05	634,198.91
	EDUCATIONAL AND GENERAL	ADMINISTRATION AND GENERAL	President's Office.	Vice-President's Office.	Comptroller's Office	Business Manager's Office	Admissions Office	Registrar's Office.	Activities for Men.	Activities for Women	Adviser to Students from Foreign Countries	Alumni Relations Office	Public Relations Office.	Retirements	University Chapels	Veterans Administration	Тотаг-Ехнівіт В.

SCHEDULE 2-PAGE 1

CURRENT OPERATING EXPENSE (Continued)

For the Year Ended August 31, 1949

	ToTAL	SALARIES	CAPERSE	EXMIBIT G	
EDUCATIONAL AND GENERAL (Continued)					
INSTRUCTION Jenser College Commence Expense	14,112.06	12,989.69	1,122.37		_
Graduate Constitution and School of	5,746.73	3,913.01	1,833.72		- 30
Division of Extension Students.	438.86	403.31	35.55		_
Secretarial Studies.	4,998.04	3,924.79	204.43		
	37,149.47	32,278.00	4,871.47		
Biology	20, 184.35	10,600.00	10,584.35	6.170.56	
. 9	12,461.39	11,770.00	481.39	210.00	
Chemistry Classical Languages and Literature	75,890.28	66,212.35	8,951.35	726.58	

	2,910.55	1,057.22	376.60 1,365.00 485.00 13,524.37
200.00 365.18 294.54	1,969.13 285.40 65.40	48.11 910.30 187.90 666.80 50.62 159.97 250.51	1,563.00 122.15 4,154.65 38,402.84
39,489.96 90,181.00 4,106.00 1,980.00	12,880.00 21,500.00 48,339.88 6,310.00 39,475.00	2, 138.21 33, 469 26 2, 340.00 38, 557.46 74, 400.00 13, 500.98	38,119.99 19,940.00 23,840.00 768,868.32
39, 689.96 90, 546.18 4, 400.54 1, 980.00	16, 139, 82 21, 334, 21 2, 169, 109 48, 625, 52 6, 375, 40	2, 340.00 2, 340.00 39, 447.12 7, 450.62 75, 669.81 5, 691.00	40,059.59 21,427.15 28,479.65 820,795.53
Economics English Extension Foreign Affairs Foreign Service Review	Geography Geography Germanic Languages Government and Economic Policy Graduate Council History Journalism Philosophy	Physics. Political Science. Public Administration. Psychology Religion. Romance Languages Secretarial Studies.	Speech Statistica Zoology

134.57

CURRENT OPERATING EXPENSE (Continued)

For the Year Ended August 31, 1949

EQUIPMENT	EXHIBIT G	
OTHER	EXPENSE	
	SALARIES	
	TOTAL	

EDUCATIONAL AND GENERAL (Continued)

INSTRUCTION (Continued)

1,411.31	569.61 1,395.80 1,273.56 3,238.97
5,909.95 114,886.00 120,795.95	4,500.00 31,303.04 13,200.00 49,003.04
7,321,26 116,328,85 123,650,11	5,069.61 32,833.41 14,648.51 52,551.53
Law School Advantstration	School of Education Administration Education Home Economics

3,415.97	36,122.42	28,340.00	34,150.00	7 (94) 92	110,028.31
4.082.06	38,247.62	35,205.38	35 CA 59	76.644.7	120,599.57

Electrical
Mechanical
Engineering Administration

School of Engineering Administration.

6,259.99 6,259.99 77.77.

2,779.30

666.09 910.50 605.39 537.32

		168.50		466.50	1,083.99								340.94		400.00		475.31					2.935.24
	3,313.65	1,132.82		1,002.41	2,167.63	18.90		852.69	295.01	156.83	274.45	95.96	809.40	4.34	766.08		1,328.06	83.74	15,058.96	24.66	37.92	27,423.51
	13,881.47	12,841.52	317.00	22,273.05	21,995.66	1,350.00	925.00	51,149.46	5,474.94	20,370.00	1,950.00	1,825.00	23,083.10	7,250.00	14,960.93	2,674.96	21,461.89	2,700.00	4,199.25	23,694.12	1,300.00	255,677.35
	17,195.12	14,142.84	317.00	23,741.96	25,247.28	1,368.90	925.00	52,002.15	5,769.95	20,526.83	2,224.45	1,920.96	24,233.44	7,254.34	16,127.01	2,674.96	23,265.26	2,783.74	19,258.21	23,718.78	1,337.92	286,036.10
School of Medicine	Administration .	Anatomy	Anesthesiology	Bacteriology, Hygiene, and Preventive Medicine.	Biochemistry	Dermatology and Syphilology	Lecturers and Exchange Professors	Medicine	Neurology and Neurological Surgery	Obstetrics and Gynccology	Ophthalmology	Oto-rhino-laryngology	Pathology			Physical Medicine	Physiology	Psychiatry	Research-General.	Surgery	Urology	

SCHEDULE 2-PAGE 3

25.926.33

100.812.46

CURRENT OPERATING EXPENSE (Continued) For the Year Ended August 31, 1949

	Тотаг	SALARIES	OTHER Expense	Exhibit G
EDUCATIONAL AND GENERAL (Continued)				
INSTRUCTION (Continued)				
School of Pharmacy Administration. Instruction.	2,126.97 21,932.51 24,059.48	1,620.00 19,614.98 21,234.98	506.97 1,527.59 2,034.56	789.94
Summer Sessions Administration	5,127.18 190,642.90 195,770.08	1,259.99 185,827.49 187,087.48	3,867.19 4,300.11 8,167.30	\$15.30
Physical Education Men. Women.	29,738.34 32,914.04 62,652.38	19,656.09 27,024.47 46,680.56	10,082.25 5,889.57 15,971.82	

	14, 299.14 250.00 14, 549.14		
183,274.16	7,149.65	177,208.29	2,939.00 4,155.42 1,480.55 5,604.09 6,257.27 116,048.58 3,130.31 50,893.43 4,863.55 7,098.09
287,637.44	51,237,85	177,992.00	18,439.84 1,000.00 36,285.18 2,279.97 1,038.29 4,749.84 829.00 64,622.12
470,911.60	14,299.14 58,637.50 72,936.64	355,200.29	2,939.00 4,155.42 1,480.55 24,043.93 7,257.27 152,333.76 5,410.28 51,931.72 9,613.39 7,927.09
Organized Research (Schedule 10)—Exhibit B	Libraries Books Other Expense Total—Exhibit B.	Maintenance and Operation of Plant—Exhibit B	Miscellaneous Expense Alumni Duce. Homecoming. Real Estate Conveyance. Student Activities Health Administration Law Review. Men's Athletics Student Activities Office Student Council Accounts University Accounts University Players. Total—Exhibit B.

SCHEDULE 2-PAGE 4

CURRENT OPERATING EXPENSE (Continued)

For the Year Ended August 31, 1949

EQUIPMENT

							- 3	-													
Ехнівіт С																					
EXPENSE		90,951.24	166,742.87	1,958.36	63,792.43	9,614.72	101,609.32	99,651.80	376.00	819.49	48,237.64	149,172.70	0 0 0	9 590 89	7, 467.25	20,761.58	244.07	9,106.96	11.079		80,850.45
SALARIES	N.	103,479.02	170,206.12	36,087.33	43,537.14	9,878.64	186,659.65	44,176.45	475, 398, 44	16,589.08	10, 199.84	558,656.62	E C	25, 559.74 25, 978, 93	85,874,99	41,264.75	3,960.00	81,957.41	15,619.31		328,624.03
TOTAL		194,430.26	336,948.99	38,045.69	107, 329, 57	19,493.36	288. 268. 91	143,828.25	1,200.00	17.408.57	58,437.48	707.829.32		45,319.53	93,742,24	62,026.33	4, 104.87	91,064.37	24.687.97	.43	ACS . 474 . 48
	EDUCATIONAL AND GENERAL (Continued) ACTIVITIES RELATING TO INSTRUCTION—HOSPITAL	Administration.	Dietary	Household and Property	Flase keeping	Maintenance of Building and Equipment	\$	Professional Care Ciencral Medical and Surgical Service	Medical Library for Residents and International	Medical Records	Pharmacy Communication of the	Central stefue supply	Professional Care—Special		Leisur Rooms	X-X-X	F. ectroci.cephalography	Anesthesiology	Physical Medicine	Dentisty	

15,758.43 15,320.83 437.60 11,757.82 8,843.21 2,914.61 11,856.78 6,745.85 5,112.93 2,81.40 2,293.75 2,877.65 18,642.39 12,132.00 6,510.39 604.36 100.00 204.36 1,577.61 1,851.10 1,269.68 2,613.01 1,556.68 93.01 1,577.61 1,566.68 93.01 12,640.99 6,687.50 6,687.50 93,111.64 76,060.48 17,071.16	(-11, 593.33) (-11, 438.33) (-11, 438.33)	60,000.00 90,000.00 90,000.00 150,000.00	2,168,645,33 1,423,685,92 744,959,41	36,383.14 13,562.79 22,820.35 296.33 110.00 186.33 36,679.47 13,672.79 23,006.68
Out Patient Department General Services Medicine Surgery Gynecology and Obstetrics Ophthalmology Ear, Nose, Throat Urology Cardiology Social Service Nutsing Care Housekeeping Emergency	Auxiliary Enterprises Ambulance Service Residents' and Interns' Room Charges	Depreciation (Exhibit G) Building (Schedule S) Equipment (Schedule 9)	TOTAL HOSPITAL-EXHIBIT B.	ACTIVITIES RELATING TO INSTRUCTION—OTHER POST Graduate Medical Education Orthoptic Training. Total—Exhibit B.

SCHEDULE 2-PAGE 5

191,832.70

106,811.57

298,890.88

TOTAL-EXHIBIT B

CURRENT OPERATING EXPENSE (Continued)

For the Year Ended August 31, 1949

		— 3	8 —	
Equipment Exhibit G				246.61
OTHER EXPENSE		164.61 4,127.74 29,359.03 20,816.90 9,195.48 2,165.74 65,829.50	2,653.07 632.48 1,795.27 5,526.49	26,023.71 1,995.49 5,869.81 84,823.39 541.54 1,222.77
SALARIES		647.50 8,748.35 14,236.01 11,971.19 2,000.00 552.50	100.00 600.00 100.00 300.00 1,100.00	17,344.08 7,747.56 19,539.09 22,925.29 67,556.00
TOTAL		812.11 12,876.09 43,595.04 32,788.09 11,195.48 2,718.24	3,253.07 732.48 2,095.27 6,626.49	43,367.79 1,995.49 13,617.37 104,362.48 541.54 24,394.67
	AUXILIARY ENTERPRISES	Residence Halls Nurses Home—Everglades Apartments Staughton Hall. Strong Hall. Veterans Housing. Welling Hall. 2025 H Street, NW	Soronity Halls 2112 G Street, NW. 2129 G Street, NW. 2131 G Street, NW. 802 21st Street, NW.	OTHER Dining Hall. Duplicating Bureau Lisner Auditorium Student Club Student Union Washington Counseling Center.

		39 —		
		66,149.23		
805.21	19,128.00	1,885,583.62		
0 C C C C C C C C C C C C C C C C C C C		4,080,330.01		
805.21	41,592.55	6,032,262.86	74,439.74	5,957,823.12
FINANCIAL CAMPAIGNINTEREST ON NOTES PAYABLE.	Тотас—Единит В.	TOTAL EXPENSE—EXHIBIT B.	Less general overhead expense charged to various departments and included in "Other Expense" above	TOTAL EXPENSE, ADJUSTED—EXHIBIT B

SCHEDULE 2-PAGE 6

MISCELLANEOUS ASSETS AND LIABILITIES

August 31, 1949

	- 40 -	
Ехнівіт А (63.290.59		175,273.67
470,625.98 2,762.25 14,096.70 990.20 171,472.82 3,342.64	48,993.26	126,280.41
	32,012.00 12,456.00 12,456.00 1,036.26 3,104.00 71,218.94 14,86.342 6,277.95 4,66.342	8,789.97
ACCOUNTS RECEIVABLE Veterans Administration—Veterans' Tuition, Books, Supplies Veterans Administration—Veterans' Tuition, Books, Supplies Regular Students—Tuition and Other Fees Dormitory Rents Hospital B. and B. Catering Services, Inc.	PREPAID EXPENSE University—Supplies—Stockroom Student Club Microscopes Miscellaneous Hospital—Supplies—Medical and Surgical Maintenance and Housekeeping Maintenance and Housekeeping Lineas and Bedding	" Food. "

62,452.78

45,681.22 15,148.00 588.81 925.67

DEFERRED INCOME
Post-Graduate Medical Education.
Student Fees.
Student Council
Audio Visual Aids
Homecommy, Celebration

Funds	TOTAL	Сави	LOANS RECEIVABLE
D.C.—D.A.R. Loan Fund.	2,865.41	2,619.01	246.40
George Washington Law Association Loan Fund.	769.73	609.73	160.00
Home Economics Loan Fund.	352.35	352.35	
Kellogg Medical School Loan Fund.	16,345.20	7,875.42	8,469.78
Sutherland Medical School Loan Fund	1,200.00	700.00	500.00
University Loan Fund	8,125.01	6,756.76	1,368.25
War Loan Fund	7,860.30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7,860.30
Тотац – Ехиныт Л.	37,518.00	18,913.27	18,604.73

- 41 **-**

SCHEDULE 4

ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY

August 31, 1949 CONSOLIDATED ENDOWMENT FUNDS

VALUE

		- 43 -		
10,000.00 16,637.09 17,496.70 10,750.00 10,600.00 5,987.50	21,008.32 24,000.00 10,432.00 19,600.00 20,000.00 12,525.25 5,180.00	11,700.00 5,150.00 20,550.00 20,660.00 118,204.43 20,670.00	21,520,34 20,172,40 20,172,40 20,500,00 10,270,00	13,584.11 10,017.84 100.00 21,000.00 20,500.00
8, 400.00 15, 150.00 19, 080.00 10, 800.00 5, 940.00 5, 500.00	22,800 24,800 20,800 12,700 4,100	0,4,0,2,7,6,6,6	10,000 14,288.	12,400.00 9,500.00 100.00 24,000.00 19,800.00
SHARES 100 150 120 100 100 60	2000 5500 5500 5500 5500 5500 5500 5500	20000000000000000000000000000000000000	3000000	50-00
2 rotar	· :	33. 7.55		3.60
3 3 3	Connecticut Light and Power Co. \$2.20 Cumulative. Corning Class Works. Detroit, Hillsdale and S. W. R. R. Co. Guaranteed. General American Transportation Co. \$4.25 Cumulative, Series A. General Motors Corporation. \$5.75 Cumulative. General Motors Corporation. \$5.76 Cumulative. \$6.06 Cumulative. \$6.06 Cumulative. \$6.06 Cumulative.	Hecht Co. Cumulative Cumulative Ullinois Power Co. International Harvester Co. Cumulative Cumulative International Harvester Co. Stress Company Stress Corporation McCrory Stores Corporation McKesson and Robbins, Inc. McKesson and Robbins, Inc. McKesson and Robbins, Inc.		R. J. Reynolds Tobacco (co. Cumulative Rogers, George A., and Co. & Cumulative First Southern California Edison Co. Convertible Sterling Drug, Inc. Cumulative.

SCHEDULE 5-PAGE 1

ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY (Continued)

August 31, 1949

CONSOLIDATED ENDOWMENT FUNDS (Continued)

_ 44 _	
	3,517.04 8,646.84 7,887.25 15,406.87 5,112.50 5,112.50 5,087.10 1,525.00 1,525.00 1,525.00
MARKET 14,000.00 13,800.00 13,800.00 10,200.00 17,280.00 17,280.00 17,280.00 17,280.00 17,800.00 17,800.00 18,700.00 18,700.00 18,800.00	1,599 00 5,200 00 8,400 00 15,400 00 4,329 00 8,341 00 24,400 00 1,400 00 1,400 00 1,400 00
SHARES 500 500 500 540 540 640 31 270 270 270 270 500 500 500 500 500 500 500 500 500 5	39 200 200 200 550 100 13 13 13 15 30 83 83 83 83 83 83 83 83 83 83 84 84 84 84 84 84 84 84 84 84 84 84 84
	Mergenthaler Linatype Co. National City Bask of New York New York Air Brake Co. R. J. Revnelds Tobacco Co.—Non voting B. R. J. Revnelds Tobacco Co.—Non voting B. Secony Vacuum Oil Co. Socony Vacuum Oil Co. Standard Oil Co. of California. Standard Oil Co. of California.

	— 45	_		
1,000.00 6,500.00 6,000.00 1,000.00 1,150.00 8,000.00 2,000.00 3,500.00		227,518.20	49,796.25	19,064.35
1,000.00 6,500.00 6,000.00 1,000.00 1,150.00 8,000.00 2,000.00 3,500.00		227,518.20 227,518.20	49,796.25	1,449,064.35
% Due 7-9-52 4 4 11-19-52 4 4 4-9-51 4 4 10-31-49 4 7-15-51 4 4 12-4-51 4 12-4-51				
TRUST NOTES RECEIVABLE Bronauch, Mfred T. and Catherine—Secured by lot 21, Square 2836 Fidwand Property, Inc.—Secured by lot 4, square 15. Grady, Dallas E. Secured by Lot 6, square 3933 Henderson, James M.—Secured by lots 33-34, square 3187 Murphy, Lester B.—Secured by part of lot 27, block 11, Bon Air, Arlington, Va. Smaw, Chester A. Secured by lot 77, square 16. Swartzell, John M.—Secured by lot 77, square 18. Wollberg, Ben—Secured by lot 9, square 16.	REAL ESTATE	Strong Hall 620 21st Street, NW. Lots 19-20-818-819, square 80	Олен	Lotal

SCHEDULE 5-PAGE 2

ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY (Continued)

August 31, 1949 SCOTTISH RITE FUND

VALUE

MARKET BOOK	24, 750.00 25,000.00 2, 600.00 10,000.00 24, 720.00 23,460.00 24, 720.00 23,460.00 3,460.00 12,904.00 3,180.00 3,062.00 26,000.00 26,897.00 20,200.00 20,000.00 25,500.00 25,000.00 25,500.00 25,000.00 25,800.00 100,000.00 25,800.00 100,000.00 25,800.00 100,000.00 25,800.00 112,355.00 25,800.00 112,355.00 25,800.00 112,355.00 25,800.00 112,355.00 25,800.00 112,355.00		12,000.00 10,750.00	15,910.00 13,312.73
PAR	25, 000 26, 000 27,	SHARES	100	130
DUE	2% 1980 3½ 1966 4½ 1966 5 1966 5 1966 1977 1977 1977 1977 1971	%	<u>.</u> 	***
DESCRIPTION %	Mortgage A. d Mortgage. ng Fund C. nd Land Grant nd Land Grant s G. s G. s G.	STOCKS-PILTRIKED	American Viscone Corporation	Consolidated Gas Electric Light and Cumulative, Series C Power Co. of Baltimore Dresser Industries

10,000.00 9,895.00 4,120.00 4,000.00 4,120.00 4,120.00 4,120.00 4,120.00 4,120.00 4,120.00 10,900.03 11,950.00 11,950.00 9,124.08 7,000.00 9,800.25 18,200.00 17,906.98 10,000.00 11,907.00 114,100.00 115,525.00 114,100.00 128,235.30	
150 200 200 100 100 100 100 200 200 200 20	88
Federated Department Stores, Inc. Ceneral Motors Corporation \$1.75 Cumulative Ceneral Shoe Corporation \$1.75 Cumulative Consistent Tite and Rubber Co. Cumulative In Tourneau, R. G., and Co. Montgemery Ward and Co. Philip Morris and Co., Ltd., Inc. Potomac Electric Power Co. Cumulative R. J. Reynolds Tobacco Co. Cumulative Cumulative R. J. Reynolds Tobacco Co. Cumulative Cumulative Cumulative R. J. Reynolds Tobacco Co. Cumulative Cumulative Cumulative R. J. Reynolds Tobacco Co. Cumulative Cumulative Cumulative R. J. Reynolds Tobacco Co. Cumulative	Spocks—Courance Spocks—Courance Co. Continuati Milling Machine Co. Commonwealth Edison Co. Continental Oil Co. of Delaware Geodyear Tire and Rubber Co. Continental Oil Co. of Canada, Ltd. Montgomery Ward and Co. Riggs National Bank Montgomery Ward and Co. Riggs National Bank Standard Oil Co. of California Standard Oil Co. of California Standard Oil Co. of New Jersey—535–156/200 shares Union Carbide and Carbon Corporation United Gas Corporation Cash Corporation Corporat

SCHEDULE 5-PAGE 3

ASSETS OF ENDOWMENT FUNDS -CONFROLLED BY THE UNIVERSITY (Continued) August 31, 1949

SUMMARY OF ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY

					INVESTMENTS	NTS		
French	Total	Cash	E	Ponde	STOCKS	17.8	Trust	Real
	. Issets		I Otal		Preferred Common	Соштоп	Notes	Estate
Consolidated.	1,495,441.79 49,796.25 1,445,645.54 435,396.00 484,081.52 269,499.82 29,150.00 227,518.20	49,796.25	1,445,645.54	435,396.00	484,081.52	269,499.82	29,150.00	227,518.20
	1 050 50.1 38	3 195.85	1 029 561 38 3 1.05 85 1.056,365.53 567,823.00 228,236.30 260,306.23	\$67,823.00	228,236.30	260,306.23		
Scottish Kite	1,057,731							
Trans. Frabibit A. 12,555,003.17 52,992.10 2,502,011.07 1,003,219.00 712,317.82 529,806.05 29,150.00 227,518.20	71.555,003.17	52.992.10	2,502,011.07	1,003,219.00	712,317.82	529,806.05	29,150.00	227,518.20
200					The state of the s			

ENDOWMENT FUNDS—CONTROLLED BY OTHER TRUSTEES

August 31, 1949

V	TRUSTEES American Security and Trust Co,	BOOK VALUE 5,149.41	
	National Savings and Trust Co	102,561.59	49
M	Washington Loan and Trust Co	5,031.97	_
	National Savings and Trust Co	213,030.15	
2	National Savings and Trust Co	8,334.13	
2	Northern Trust Co., Chicago	7,434.20	
		341,541.45	

SCHEDULE 6

105,936.28 130,626.63

CASH.....

TOTALS....

ASSETS OF PLANT FUNDS

August 31, 1949 PAIRO FUND

VALUE

Book 4,605.00 5,166.00 500.00 500.00 500.00 11,774.00	8,220.00 14,400.00 15,806.25 2,928.00 19,695.00 62,349.25	243.05 893.06 1,136.11
MARKET 3,360.00 4,300.00 5,15.00 6,74.80 482.00 2,84.10	5,600.00 4,200.00 8,700.00 2,501.00 900.00 17,316.00	243.05 893.06 1,136.11
Due PAR 2000 6,000 1977 5,000 1964-69 700 9-1-53 700 2-1-54 500 11-1-56 300	SHARES 200 200 200 150 61 100 52	% DUR 6 Monthly 5½ 10-7-37
Morris and Essex Railroad Co. First and Refunding Mortgage. 33/4 20 Southern Pacific Co. (Oregon Lines) First Mortgage A. 1/2 1 Linted States of America. Tressury Bonds. Series G. 23/2 United States of America. Savings Bonds, Series G. 23/2 United States of America. Savings Bonds, Series G. 23/2 United States of America. Savings Bonds, Series G. 23/2 1	American Security and Trust Co. Capital Transit Co. Merkenthaler Linotype Co. National City Bank of New York. Pennroad Corporation. Riggs National Bank.	TRUST NOTES RECEIVABLE Hungerford, William C. and Lillian E.—Secured by tract in Germantown, Md. 10. \$20 per month including interest Woodson, H. D.—Secured by lot 159, square 1026.

3,000.00 1,000.00 1,700.00 18,600.00 19,600.00	13,037.50
2,874.00 952.00 1,611.60 18,600.00 19,600.00	
Duz PAR 11-1-54 3,000 100-1-55 3,000 10-1-57 1,700 4-1-61 18,600 1-1-50 20,000	C. SHARES
Bonds United States of America Savings Bonds, Series G Savings Bonds, Series D	Stocks—Preferred Garfinckel and Co Cumulative Convertible

-	11
*	
	S
	1
	6.4
	-
4	-
	. 7
	d.
	<.
	-
	2
	ASSETS OF PLANT FUNDS
4	-
	0
	-
	0.0
	-
٠	2.3
*	
*	03
	0
	≪;
	SUMMARY OF A
	124
10	0
-	
	5-4
	~
4	120
0	~
0	4
- 0	(SEC.)
	>
0	01
0	
0	
0	
0	
0	
0	
4	
0	
0	

САВН

Garfinckel and Co.

Commonwealth and Southern Corporation

STOCKS-COMMON

Glidden Co.....

TOTALS....

-- 51

104,826.96

47,463.13 5,234.36 109,634.99

28.13 44,860.00 2,575.00

125.00 40,290.00 2,040.00 42,455.00

				Is	INVESTMENTS		
FUNDS	Total	Cash	Total	Bonds	Preferred Stocks	Common Stocks	Trust
Consolidated Plant Funds Pairo Fund	109,634.99	5,234.36			43,900.00 13,037.50 47,463.13 11,774.00 62,349.25	47,463.13	1,136.11
Totals—Exhibit A.	240,261.62	60,601.63	60,601.63 179,659.59 55,674.00 13,037.50 109,812.38	55,674.00	13,037.50	109,812.38	1,136.11

SCHEDULE 7

LAND AND BUILDINGS For the Year Ended August 31, 1949

			52 —					~ ~
August 31, 1949	151, 129.97 66,000.00 327, 481.92		260,133.03 58,331.44 58,331.44	7,389,564.00	823,982.91 372,230.19 57,583.87		8	36,989.72
Additions				7,039,564.00			# 4	727.
Balance August 31, 1948	151,129.97 66,000.00 327,481.92		260,133.03	350,000.00	823,982.91	57,583.87 401,500.00 95,482.17 26,075.12	26,761.24	26,989.72
Year Acquired or Erected	1914-35 1948 1919-24		1936-48	1918-38		1947		102 1972 36 79 1946
Square	102		56	25	79	7552	250	
Lot	45	24-28-29 800-801-802 805 thru 821	823-828-829-830 832-831-834-836 838-839-842	47. ROO-801 Entire square	820 thru 827 829 thru 833	815 816-817 806 thru 811 27-28 816-817	Part of B	24-25-28-29-30 (31-31-32-801-801
n-11-r	d	Corcoran Hall.	Field House Site	Gymnasium Hall of Government. Hospital	itoriu	Lisner Hall Niechameal Laboratory Nurses Home (Schedule 8—Page 4)	Physics Laboratory Schiology of Medicine, Cancer Clinic (Schedule 8 Page 4)	Shop, Stockroom Social Sciences Building Social Viences Building

		- 53 -
25.500.00 13,000.00 51,000.00 279,325.93 75,000.00 451,129.16 150,000.00	70,000.00 5,000.00 103,000.00	20,000.00 33,600.00 111,700.00 114,955.00 15,074.96 15,074.96 15,000.00 19,000.00 17,500.00 10,146.50 14,000.00 117,500.00 117,500.00 117,500.00 117,500.00 117,500.00 117,500.00
311,129.16	70,000.00	33,600.00
25, 500, 00 13,000, 00 51,600, 00 279, 325, 93 75,000, 00 140,000, 00	103,000.00	11, 700.00 14, 955.00 15, 074.96 32, 500.00 19, 000.00 31, 500.00 55, 646.21 60, 000.00 17, 500.00 17, 500.00 11, 000.00 1, 000.00 23, 400.00
1935 1938 1941 1920-25 1947 1947 1948	1949 1949 1945	1949 1949 1932 1922 1923 1938 1948 1948 1948 1948 1948 1948
727.20	119	257378887788853355 2773888778885775
836 836 836 15	813 808 809 800-801-840	27 27 27 27 15 805-806 817 816 804 804 804 804 804
Sorority Hall—2131 G Street, NW. Sorority Hall—802 21st Street, NW. Staughton Hall Stockton Hall Student Activities Building. Veterans Housing Parts of squares 56, 77, 79.	Pennsylvania Avenue, NW—1920 " 1924–26 (deposit)	G Street, NW.—1910. 2002 2003 2004 2024 2026 2106 2106 2111-17 2111-17 2118 2118 2118 2118 2118 2118 2118 2118 2118 2118 2118 2118 2118 2118 2118 2118 2118 2118 2111 211

SCHEDULE 8-PAGE 1

LAND AND BUILDINGS-(Continued)

	1949
	31,
	August
	Ended
	Year
	the
-	For

	- 54 -
Balance August 31, 1949	13,500.00 14,250.00 14,250.00 11,500.00 11,500.00 11,500.00 11,500.00 12,431.25 12,400.00 12,431.25 12,400.00 13,000.00 15,500.00 16,125.00 16,125.00 17,500.00 18,500.00
	13,000.00
Balance August 31, 1948	1,000.00 13,000.00 14,250.00 11,750.00 11,750.00 11,000.00 11,500.00 11,500.00 12,500.00 12,500.00 12,500.00 12,500.00 12,500.00 12,500.00 13,000.00 13,000.00 16,500.00 17,000.00 16,750.00 17,000.00 18,500.00 18,500.00 18,500.00 19,700.00 10,750.00 10,750.00
Year Acquired or Erected	1948 1922 1922 1923 1923 1924 1924 1945 1946 1946 1946 1946 1948 1946 1946 1946 1948 1948 1948 1948 1948 1948 1948 1948
Square	101 102 1002 1002 1002 1001 1001 1001 1
Loc	800 806 824 823 822 822 821 821 818 52 818 829 813 817 804 805 804 805 806 806 806 807 808 807 808 808 808 808 808 808 808
Building or Location	H Street, NW —1909 2011 2011 2011 2018 2018 2018 2018 2029 2027 2027 2027 2027 2027 2027 2027

12,622.50 12,000.00 9,600.00 14,000.00 17,000.00	25,000.00 25,000.00 50,000.00 10,000.00 11,800.00 15,000.00 5,000.00 72,250.00 17,500.00	278,735.00	17,500.00 14,240.00 14,500.00 13,500.00 20,000.00
		3,735.00	
12,622.50 12,000.00 9,600.00 14,000.00 17,000.00	25,000.00 25,000.00 50,000.00 10,000.00 11,800.00 12,500.00 5,000.00 72,250.00 17,500.00	275,000.00	17,500.00 14,240.00 14,500.00 13,500.00 20,000.00
1947 1947 1947 1947	1945 1946 1946 1947 1947 1948 1945 1945	1948	1931 1929 1930 1929 1929
44444	101 101 101 77 77 77 77 77 77 77	39	102222
25 26 812 804 806-807-808	830 829 21 840 27 55-56 826 826 826 826 824-35-822-824	Entire square	26 42 41 40 828-830
H Street, NW-2315. 2315. 2316. 2317. 2317.	I Street, NW-2012 2014 2018 2018 2185 2186 2136 2136 2136 2136 2136 2131 2314-16	K Street, NW-2300.	20th Street, NW-700. 712. 714. 716.

SCHEDULE 8-PAGE 2

LAND AND BUILDINGS-(Continued)

For the Year Ended August 31, 1949

	_ 50 _
	13,000.00 112,500.00 12,500.00 12,000.00 16,412.00 16,412.00 13,000.00 11,400.00 17,600.00 17,600.00 17,600.00 17,600.00 17,000.00 17,000.00 17,000.00 17,000.00 17,000.00 17,000.00 17,000.00 17,000.00 17,000.00 17,000.00
Additions	18,750.00
Balance August 31, 1948	13,000.00 12,500.00 12,500.00 12,000.00 16,422.00 9,000.00 11,143.00 8,750.00 7,000.00 14,000.00 14,000.00 14,000.00 14,000.00 14,000.00 14,000.00
Acquired or Erected	1946 1931 1931 1933 1938 1940 1940 1946 1946 1945 1946 1946 1948 1948 1948 1948 1948 1948 1948 1948
Square	888 102 102 102 102 102 102 102 102
Lot	23 21-22 807 46 808 830-831 819 31 840 812-813 814 802 803 839 817 818 839 839 817 818 839 839 839 839 839 839 839 839 839 83
Building or Location	21st Street, NW—604 2713 714 715 715 716 716 718 819 819 810 800 800 800 800 800 800 800 800 800

13,500.00 3,6,55.00 7,425.00 11,000.00 4,500.00 13,125.00 25,000.00 14,000.00 19,000.00 19,000.00	11,440.00 3,150.00 3,750.00 26,000.00 5,750.00	15,022,026.09	60,000.00
11,000.00 13,125.00 14,000.00 19,000.00		7,942,125.88	
13,500.00 3,675.00 7,425.00 6,500.00 3,000.00 25,000.00	11,440.00 3,150.00 3,750.00 26,000.00 5,750.00	7,079,900.21	
57 1948 42 1942 42 1944 42 1949 42 1949 41 1949 41 1949 41 1949 41 1949 41 1949 41 1949 41 1949	42 1947 41 1945 41 1945 41 1947 41 1946		
20-21-52- 824-825 824-825 824-819 818 826 29 29 27 28 27-22-23-24 17-19			
60	737-739 803-805 807- 811-813 815- 815	The state of the s	Depreciation—110spital
706. 716. 718. 718. 736. 812. 812. 820. 821.824.824.824.836. 832.836. 832.836.	24th Street, NW-	Less Provision for Department	Тотац—Ехнівіт А

SCHEDULE 8-PAGE 3

100,000.00

TRUST NOTES PAYABLE August 31, 1949

WASHIMGTON LOAN AND TRUST Co. Secured by School of Medicine and Cancer Clinic. Due February 21, 1950. Interest 4%.....

307,436.36

TOTAL-EXHIBIT A.

151,884.72 1,774.50 3,205.00 2,927.37 1,120,663.30 134,535.32 1,739.63 90,000.00 1,974,332.64 1,884,332,64 Balance August 31, 1949 Depart. Investment Plant Gifts
ments Income Funds (Schedule 10) (Schedule 10) (Appendix) 2,100.00 22, 100 00 20,000,00 54.965.65 60,628.49 872.00 2,906.63 1,884.21 Additions 82.14 82.14 25.873.76 8,746,03 4,086 82 1,466,29 Total-Erribit A.... 7,992.91 2,935.24 789.94 14,208.24 250.00 66,349.23 Surplus (Exhibit B) 64,897.19 16,889.02 7.859.41 6,633.95 96, 279, 57 3 205 (N) 2 927 37 998 7(N) 46 120 327 08 1 739 63 99,762.07 71,336.88 18,361.79 888.141.15 26,861.52 Balance August 31, 1948 2.992.84 53.145.19 64.606.50 7.190.62 10.464.16 18.117.63 1,728,893.21 Administration.
Duplicating Bureau
George Washington University Cancer Clinic Lisner Auditorium
Lisner Roul
Nuree Home
Residence Hall—2025 H Street, NW
School of Engineering
School of Pharmacy
Staughton Hall
Strong Hall
Student (non Building
Veterans Housing LOCATION Less Provision for Depreciation Hospital Equipment Hospital General Law School School of Medicine Library Books Gymnasiumaw School

For the Year Ended August 31, 1949

EQUIPMENT

2.615.18

3.520.02 220.16 143.78 635.70

5,929.12

2.112.15 146.24

WHT No. TU-18.1-50-52

United States Navy

United State

970.21 119 66 1,018.11 2,540.26 Balance August 31, 1949 4,377.75 214.36 214.36 214.36 27.41 10,172.54 10,172.54 10,172.54 10,172.54 10,172.62 10,172.62 10,172.62 10,172.63 1,520.82 6,669.00 1,831.26 1,856.00 1,856.00 5,266.07 1,394.85 1,11.37 1.977.31 1.668.87 473.22 3.776.50 1.486.42 1.75.00 679.50 2,345.06 1,612.59 24.00 274.19 417.41 96.00 118.91 15.50 1.907.18 3,514.91 Disbursements Other 2,450.00 7,736.66 7,736.66 7,736.66 7,736.66 7,736.66 7,736.66 7,736.60 8,41,72 4,450.00 10.965.77 1,331.50 1,124.85 6,433.26 1,833.26 3,350.00 1,217.50 Salaries 1. S(R) (10) (6, 700, 00) (700, 00) (700, 00) (701, 50 (701, 50 (701, 50) (7 7.500.00 299.13 2.000.00 2.000.00 800.00 4,138.75 1,200.00 ORGANIZED RESEARCH FUNDS CURRENT FUNDS RESTRICTED For the Year Ended August 31, 1949 Receipts 6, 204 24 6, 204 24 1, 494 80 1, 244 80 1, 244 80 1, 244 80 1, 244 80 1, 245 80 1, 895 25 1, 895 7,169.01 1,528.33 Balance August 31, 1948 Cardiology
Cecilia Cumnings
Cecilia Cumnings
Cecilia Cumnings
Hopking, Fed T., and Son
Hutchian, Helen F. and Son
Hutchian, Helen F. and Son
Institute for the Study of Analgesic and Sedative Drugs
Institute for the Study of Analgesic and Sedative Drugs
International Cellucotton Products
Marcelle Experience
Marcelle Experience
Marcelle Experience
Marcelle Experience
Marcelle Experience
Marcelle Experience
Marcelle Connection
Milban Memorial
Mother' Health Clause
National Drug Co
National Drug Co
National Drug Co
National Drug Co
National Memorial
Cuiced States Army—W. 49.007-MD-159
Uniced States Army—W. 40.40.47.2.MD-170 W-49-007-MD-369 W-49-007-MD-369 W-49-007-MD-454 NGorr-16-7: 0. 1 N7-0sr-419-T: 0. 2 N8-0sr-419-T: 0. 2 Blades FUKDS

Baxter Laboratory-Dr.

Cancer Control ...

SCHOOL OF MEDICINE American Allergy ...

Plon		(01 —	
1.665.68 1.665.68 1.665.68 1.665.68 1.077.48 1.077.48 1.76.55		2,845.00 2,870.17 6,712.46 672.62	27,967,11 1,0% 63 7,7% 199 24,0% 32 5,618,90 6,10% 39 9,864,00	3,364.67
200 000 000 000 000 000 000 000 000 000	604 09 57.00 391.59 51.20	3,855.00 26,641.04 4,569.41 13.87 3,327.38	43.017.54 9,063.37 12.218.10 940.08 19,921.13 17.875.34 3,075.00 10,707.04	985.33 986.33 051.49 59.980.07 8.080.26 3.774.19 8.080.26 45,030.70
2, 899, 69 1, 117, 128 1, 117, 132 1, 101, 134 1, 104, 52 1,	604.09 57.00 391.59	3,855,00 9,822,04 369,41 3,327,38	35, 579, 68 14, 615, 67 16, 12, 18, 10 6, 10, 18 5, 615, 04 3, 273, 72 323, 28	985.33 716.02 13.135.24 10.800.20 8.0800.26 2.194.18 15.613.21
2. 100.00 2. 100.00 2. 100.00 2. 170.00 2. 170.00 2. 170.00 3. 100.00 1140.00 147.50 147.50		16.821.00	7, 447 70 4, 447 70 250.00 12, 260, 10 3, 175 (4) 17, 433 12 14, 808 30	2 544 10 46 853 85 10 696 99 1 180 00 29 417 49 287 637 44
188.97 (2.2.75 1.005.64 (2.2.75 1.005.24 (2.2.75 1.005.14 (2.2.00) 1.005.14 (2.2.00) 1.005.14 (2.0.00) 1.005.14 (2.0.00)		6,700.00 27,466.00 5,686.33	25,600 00 20,000 00 25,000 00 25,000 00 26,000 00 26,000 00 27,000	4,350,00 541,30 541,30 59,00 11,777,19 11,777,19 6,675,00 45,030,70
2 m 4 sv	604.09 77 94 544 59 798.56	2,047,41 5,595,54 28,77 1,000,00	65,984.65	8.080.26
Co22-C Co22-C RC 631-C-2 RC 631-C-2 RC 787-C RG 787-C RG 973 United States Veterans Administration - V 1001 M-524 Winthrop-Stearns, Inc.	Science of Pharmacy Allies Corporation. Alted Chemics, and Dyc Corporation. After Chemics and Dyc Corporation For Laplant de Nets suits and Corporation Proprietary Association.	Huspitzal. American Cancer Sourcty. D. C. Division J. C. See T. Detect in Chair District of Columbia Tuberculous Association Insert. Marcelle Fleischmann Foundation—Dr. Blades	American Cancer Society— 24 A. Dyvision I. Demon Ramyon Memorial George Wealington University Cancer Clinic United States Public Health Service— Cayle C. 191-C. 2	Critical States Army—DA-1s, Los CMI, 42 United States Army—DA-1s, Los CMI, 42 W 44 Los CMI, 42 W 44 Los CMI, 48 United States Navy—Nop-402 Nop-402 Nord-402 Nord-402 Nord-402 Nord-402 Nord-403 Nord-403 Nord-403 Nord-403

SCHEDULE 10-PAGE 1

CURRENT FUNDS RESTRICTED (Continued) For the Year Ended August 31, 1949 INCOME OF ENDOWMENT AND PLANT FUNDS

Balance	31, 1949		265.34
	Other		
Disposition	Added to Principal		14,161.86 612.60 5,879.49
	Current	11.86 7,383 70 8,704 35 1,647 35 1,648 35 1,648 34 1,956 30 1,976 99 1,976 99	560.07 928.95 19.76 19.75 19.76 19.769 197.69 197.69 197.69 197.69 197.69
Z	0 to	11.86 8.744.35 1.644.61 664.61 19.544.61 19.544.61 19.544.61 19.546.61 19.546.61 19.546.61 19.660.26 19.660.26 19.660.26 19.660.26 19.660.26	~~
Release	August 31, 1948		34, 103, 79 156, 73 245, 57 3, 501, 55
	F CNDS	Empowagar Fund (Schedule 12) Acker Acker Alumin Campaign Corcora Davia Davia Davia Reichelderfer Sander Sander Sander Sander Sander Sander Weddell Withers Weddell Withers Weddell	RESTRICTED Fellowship Kallowship Sanders Sanders Professorship Adumn Congressional Deptw. Pry Punds Fry Funds School Government Government

SCHEDULE 10-PAGE 2

CURRENT FUNDS RESTRICTED (Conusued)

For the Year Ended August 31, 1949

INCOME OF ENDOWMENT AND PLANT FUNDS (Continued)

Disposition

	<u> </u>
August 31, 1949	2, 17, 96 2, 881, 90 1, 248, 99 2, 90, 94 47, 45 90, 94 197, 69 197, 69 197, 69 197, 69 197, 69 197, 69 198, 23 198, 24 198, 24 198, 24 198, 24 198, 24 198, 24 198, 24 198, 98 199, 69 199,
Other	
Added to Principal	50 00 00 188 F
Current	2.250 00 100 00 100 00 100 00 18 97 18 90 18 90
Net Income for Year	163 64 620 15 197 69 197 69 198 53 198 53
Balance August 31, 1948	1, 454, 32 1, 477, 76 1, 179, 10 1, 179, 10 1, 179, 10 1, 189, 10 1, 189
F) UND 8	ENDOW MENT FUNDS (Continued) Restriction (Continued) Scholarship Barren Carren H. H. Carren H. M. Carren H.

839.38 204.00 818.68 579.25	4,815.29		50,181.39
			40.00
	197.69	12, 42 10, 81 10, 84 192, 35 48, 45 2, 352, 95 145, 20	2,996.27 44,453.86
82.14	82.14	2,996.27	1
197.69 39.54 395.38 79.08	197.69	106,402.90 106,402.90 1081.081 10	112,502.64
723.83 164.46 423.30 500.17	4,318.30		77,787.01
Library Howard Meyer Norse Swisher Alcove	Miscelancous D.C.—D.A.R. Fund Transferred to D.C.—D.A.R. Loan Fund (Schedule II)	fo. 3. Fund. morial Association.	TOTALS-EXHIBIT C. 77,787.01

SCREDULE 10-PAGE 3

CURRENT FUNDS RESTRICTED
For the Year Ended August 31, 1949
MISCELLANEOUS FUNDS

ince uust 949	466.67 786.00	848.00 350.00 137.60 428.00 180.00	80.00
Balance August 31, 1949	41	pred	-228
	133.33	175.00 72.00 72.00 52.40 500.00 120.00	10.00 25.00 15.00 10.00 25.00 25.00 25.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00
Diabursementa	To Schedule 1	Scholarships. Scholarships. Refunded to donor Scholarship.	Prize
Receipts	00.009	72.00 336.00 200.00	25.00 15.00 15.00 10.00 25.00
Balance August	1,500.00	175.00 1,350.00 826.00 500.00	8 8 01
ed work	FELLOWSHIP—Freeman and Watts	Scholarship American Foundation Pharm. Education. Announce. Dorsey, Charles W. Kellogg Medical Technology Northern Baptist Pitts Foundation. Washington and Lee High School Zonta Club.	Alpha Delta Pi Sorority Chi Omega Sorority Chi Omega Sorority D. C. Daughters of the American Revolution D. C. Daughters of the American Revolution Delta Zeta Sorority Elisworth Kappa Kappa Gamma Sorority Pi Beta Phi Sorority Pi Beta Phi Sorority Putnam Lawrence E. Signa Mappa Sorority Sudent Art Show

		— 67	_	
4,166.76 335.83 413.15	25.00 100.00	930.84	141.75 82.94	14,661.86
1,100.00		816.63	3.18 2,500.00 9,000.00 226.00	21,194.09
To Schedule 1		Lectures	To Exhibit B. To Schedule 13 To Schedule 12 Refunds	
5,000.00 215.83 41.66	25.00		4,000.00	11,680.49
1, 100.00 4, 166.68 120.00 371.49		930.84	2,500.00 5,000.00 367.75 82.94	24,175.46
SCHOOL OF MEDICINE Dermatology and Syphilology Jewish Social Service. Markle Foundation Obstetrics and Gynecology Research in Surgery.	SCHOOL OF PHARMACY Cullen, F. J. D. C. Women's Pharmaceutical Auxiliary	LECTURE Jorsey, Harryman—Public Law Lectures Howard, Frank—Industrial Research Lectures	Administrative Reserve. Ellison, Newell W. Freeman, Dr. Walter Key Deposits University Press—"The Supreme Court".	Totals—Exhibit C.

SCHEDULE 10-PACE 4

Schroule 10-Page 5

CURRENT FUNDS RESTRICTED (Continued) For the Year Ended August 31, 1949 AGENCY FUNDS

FUMBS	August 31. 1948	Receipts	Disburements		Balance August 31, 1949
Colonial Review		191.00		:	191.00
Counier		2,341.76	Withdrawals	1,975.80	365.96
Engineers' Club Room	199.93	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P P P P P P P P P P P P P P P P P P P		199.93
Federal Public Housing Authority Rent. Veterans Housing	25.48		To U. S. Government.	25.48	
Flower Fund	154.50		Wreaths	22.50	132.00
Shoo	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6,003.56	Withdrawals	3,238.82	2,764.74
Perihan Yamulky	733.00	2,790.00	Withdrawals	3,386.50	136.50
Swisher History Club	120.75				120.75
Women's Board Drama Club.		702.40			702.40
Women's Board Hospital Benefit	14,545.30	9,582.95	Withdrawal	14,555.30	9,572.95
TOTALS—EXHIBIT C.	15,778.96	21,611.67		23,204.40	14,186.23

CHANGES IN PRINCIPAL OF LOAN FUNDS

For the Year Ended August 31, 1949

		Additions	ions		
Pumps	Balance August 31, 1948	Income of D.C.—D.A.R. Endowment	Interest	Refunded to U. S. Government	Balance August 31, 1949
D.C.—D.A.R. Loan Fund	2,666.76	197.69	1.73		2,865.41 769.73 352.35
Kellogg Medical School Loan Fund Sutherland Medical School Loan Fund University Loan Fund War Loan Fund	15,920.83 1,200.00 8,095.85 11,036.96			3,176.66	16,345,20 1,200 00 8,125 01 7,860.30
TOTALS—EXHISIT D.	40,040.75	197.69	456.22	3,176.66	37,518.00

CHANGES IN PRINCIPAL OF ENDOWMENT FUNDS

For the Year Ended August 31, 1949

	reed Sale of August 31, 1949	300.00 581.20 186.749.38 20.1155.76 41,570.40 1,600.00 19.215.50 15.600.00 12.525.56 15.600.00 11.104.14 11.104.14 11.104.14 11.104.14 11.104.14 12.525.56 15.600.00 26.891.46 5.000.00
ions	Gain on Transferred Sale of from Investments Schedule 10	
Additions	Gifts Investment	33,601.15
	Balance August 31, 1948	300.00 581.20 220.155.76 41,570.40 1,000.00 15,000.00 12,215.50 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00
	8 Q M D (de	Acter Acter Acter Acter Campaign Campaign Corcoran Davis Goddard Hargett Ring Renchderfer Subscription Gifts Symates W. eddell Withers W. oddell

73.821.42	829. 67 500. 00 158. 709. 04 167. 859. 31 14. 508. 19 24. 471. 71 102. 561. 59 5,000. 00
59.97	
	18 612.60 5,879.49 1,001.61
6 0 6 0 7 0 8 0	19.100,1
34, 363.86	612.60
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00
39,457.56	829.49 500.00 158.70.00 167.246.71 14.508.19 101.559.98
RESTRICTED FELLOWSHIP Sanders.	Alumni Congressional Congressional Congressional Evaluation Ery (controlled by the University) Fry (controlled by National Savings and Yulee

CHANGES IN PRINCIPAL OF ENDOWMENT FUNDS (Continued)

For the Year Ended August 31, 1949

	,		Add	Additions			
FUNDS	Balance Auxust 31, 1948	Gifts	Income	Cain on Sale of Investments	Transferred from Schedule 10	Loss on Sale of Investments	Balance August 31, 1949
RESTRICTED (Continued) Somoot Government Soutish Rite. Medicine Borden Collins Coolins	1,000,000.00 3,169.07 2,828.00 10,000.00		85.30		06:000:6		1,000,000,00 3,254.37 2,828.00 10,600,00
Freeman Gardner Lewis School of Medicine Fund Sharpe	32.298.60 7.861.00 8.162.75						3,248.60 8,081.00 8,334.13
Phrmacy	10,000.00		0		•		10,000.00

1,225.90 2,500.00 3,071.70 1,180.70 500.00 10,000.00	00000000000000000000000000000000000000
1,225,90 1,200,00 2,510,00 3,071,70 1,135,79 500,00 10,000,00	1,000,00 1,0
Chapman Control Control Hower Kimmel Kulbank National Park Seminary Reinhardt Tree	Burns Burns Consider Consider Consider Davy Exary Exary Exary Conductor Conduc

SCHEDULE 12-PAGE 2

CHANGES IN PRINCIPAL OF ENDOWMENT FUNDS (Continued)

				2222222
0	August 31, 1949	5,149,41 20,033,06 48,608,30 5,000.00 1,000.00	22.3300	2,000,000 1,000,000 1,000,000 1,000,000 1,000,000
3	Sale of Investments			
	Transferred from Schedule 10			
Additions	Gain on Sale of Investments	GO		
Addi	Investment			
	Gifts	4,685.56		200.00 11,000.00 200.00
	Balance August 31, 1948	5, 121. 23 15, 347. 50 48, 608. 91 5, 000. 00 1,000.00	1,200.00 2,100.00 5,500.00 5,000.00 1,000.00	2 0000 1 0000 1 0000 1 5 953 2 953 1 500 10 000 10 000 10 000
	Fumps	RESTRICTED (Continued) SCHOLARSHIP Abadrews Barterer Carrer, M. M.	Columbian Women Scholarship Funda Brown Chamberin College Women's Founders of Columbian Women Herron Knapp Wilson	Davis Dottey Fancham Hampel Hampel Harrey Kendall Morehouse Pearon Pearon Spence Spence Some Walter Walter

\$,000.00 1,000.00 2,000.00	5,000.00	2,779,731.89	57, 251.35	64.22 2,896,544.62
		59.97	4.25	64.22
		9,000.00		9,000.00
		1,201.17	8.67	1,209.84
		41,152.70	5,979.32	47, 132.02
	185.00	\$1,397.53	0 · · · · · · · · · · · · · · · · · · ·	\$1,397.53
2,000.00	5,000 00	2,677,040.46	\$1,272.03 \$9,556.96	2,787,869.45
LIBRARY Howard Meyer Noyes Swisher	Miscellangous D.C.—D.A.R. Graduate		RESERVES FOR PROTECTION OF INVESTMENTS Consolidated Endowment Funds Scottish Rice	TOTAL-EXHIBIT E. 2,787,869.45 \$1,397.53 47,132.02

SCREBULE 12-PAGE 3

CHANGES IN PRINCIPAL OF PLANT FUNDS-UNEXPENDED

-
O.
481
Ch
-
-
-
de la constante
44.5
440
400
70
2
0.0
00
20
400
-
9970
20
40
70
(5)
[m]
Ben
46
63
204
6.5
400
44
-
Box
~
0
(the

	- 76 -
Balance August 31, 1949	5,153.07 5,153.07 7,957.13 7,957.13 30.40 50.00 58.75 629.91 228.00 100.00 100.00 100.00 100.00 100.00 100.00
Deductions	426.50 371.11 2,906.63 54,965.65 13.17 175.00
Other	2,500.00
Additions Investment Income	5.40 10.81 10.81 234.75 .65 192.33
3	988 53
Balance August 31, 1948	180 360 5 5 2 66
Funda	Class of 1929 Women's Unit No. 3 Transferred to Surplus—Exhibit B Field House Transferred to Surplus—Exhibit B Field House George Washington Memorial Auditorium equipment purchased Hospital Equipment purchased Law School Expansion Transferred from Schedule 10- Page 4 Library Book Funds Brock Mabel C. Brookly Alumni Club Brook purchased Brookly Alumni Club Brook purchased Brookly Alumni Club Brook purchased Brook purchased

+	2.00	-				5,076.17	0 239,118.33	3,143,29	15 240,261.62
*	48.00	2.494.00				:	61,426.10	4,907.75	66,333.85
50.00			:				5,044.00		5,044.00
	48 45			46.28	54.88	145.20	3,103.47	2,535.02	5,638.49
250.00				1,100.00		179.73	56,655.38		56,655.38
4,778.79	1.614.94	****	78,431.63	617.81	1,829.33	4,751.24	235,741.58	3,516.02	239,257.60
Noves, Theodore W. Books purchased. Rocen, Dr. John N. United Daughtern of the Confederacy Transferred from Schedule 10—Page 4.	Ohio Section of the G. W. Memorial Association.	Pairo Gale of investment	School of Engineering Building.	School of Medicine Building.	Student Union Furnishings Furnishings (equipment) purchased	Women's Activities Building.		RESERVE FOR PROTECTION OF INVESTMENTS Investment incense in excess of 3%	TOTAL—EXHIBIT F.

SCHEDULE 13

GIFTS AND GRANTS

For the Year Ended August 31, 1949

CURRENT FUNDS

con (a) qui prei	362.50	911.26	3.08	EL BOL. TOT IT CAN TOL. O' O' OB.
	250.00 100.00 12.50	825.00 25.00 25.00 17.50 28.76 91	494,135.06	25.25.55.55.55.55.55.55.55.55.55.55.55.5
EDUCATIONAL AND GENERAL UNARETRICTED—SCREDUE 1 Estate of Susan Whiteey Dimock	Regratores—Screening—John E. Walsh General—School of Engineering—John E. Walsh Alumni Office Expense—General Alumni Association. Library Books—Society of Sigma Xi.	Activities Relating to Instruction Hopital—Harvard Mutual Foundation William Conradis Charles Armstrong Pear Graduate Medical Education—J. C. Collison	Restrictes—Screeule 10—Pace 1 Organized Research—various donors.	Respect Power Screen and Watte Scholarship—Last Respect Convention. Scholarship—Last Foreign Worder. Northern Baptist Convention. Canta Club. Delta Faraba Stronity. Eliworth—Mr. Fritz von Briesen. Eliworth—Mr. Fritz von Bries

,397.53

ENDOWMENT FUNDS (Schedule 12)

44,705.29				6,692.24 51,
33,601.15	.18	321.50	6,185.56	185.00
0 a 0 a 0 a 0 a 0 a 0 a 0 a 0 a 0 a 0 a		101.50	4, 685.56 1,000.00 500.00	200.888888 200.888888 200.8888888
UNRESTRICTED Goddard Endowment Fund-Bequest of Frederick J. Goddard Teller Endowment Fund-Bequest of John D. and Mary L. Teller.	PROFESSORERIP Alumni Professorship Fund—various donors.	Scanou. or Medicine Fund-George A. Rogers School of Medicine Fund-Dr. J. Phillip Fairchild 200.00 Dr. Bernhard Kaufman.	Scholarship Batteh & Scholarship Fund—Dr. Anna Bartach-Dunne Dorsey Scholarship Fund—Harryman Dorsey Hampel Scholarship Fund—Evelyn Hampel Young	Miscellangous Graduate Endowment Fund-Dr. Bernhard Kaufman Morgan M. Gibert. Morgan M. Gibert. Rivabeth Larrick. Dr. Raterino E. Sanceman Files B. Miller. Various donors.

APPRIDIX-PAGE 1

For the Year Ended August 31, 1949

PLANT FUNDS (Exhibit G) (Schedule 13)

						79.73 7.070,151.88
6,841,396.50	57,065.65	410.00	1,100.00	150,000.00	20,000.00	179.73
	2,100.00 54,965.65	160.00	1,000.00			5.00
HospitalUnited States Government-excess of appraised value over cost	Hospital Equipment—D. C. Chapter, National Foundation for Infantile Paralysis. Hospital Equipment Fund—various donors.	Library Book Funds Hospital Library Fund—Edward A. Cafritz. Charlotte B. Jameson Rosen, Dr. John N.	School of Medicine Building Fund—Alumni Club of Puerto Rico.	Veterans Housing-United States Government-appraised value	Veterans Housing Equipment—United States Government—appraised value	Women's Activities Building Fund—Faculty members of "Faculty Follies" " Physical Education Alumni. Columbian Women.

DESCRIPTION OF LOAN FUNDS August 31, 1949

2 865 41	769.73	352.35	16,345.20	1,200.00	8,125.01	7,860.30
Ustract of Columbia D. A. R. Loan Fund Created in 1938 from income of the D. C.—D. A. R. Endowment Fund. To be loaned to descendants of patriots of the American Revolution.	GEORGE WASHINGTON LAW ASSOCIATION LOAM FUND Created in 1941 by gift of the George Washington Law Association to be loaned to students of the Law School.	HOME ECONOMICS LOAM FUND Created in 1940 by the D. C. Home Economics Association to be loaned to senior girls majoring in home economics.	Kellogg Loan Fund Created in 1942 by gift of the W. K. Kellogg Foundation to be loaned to students of the School of Medicine.	SUTHERIAND LOAM FUND Created in 1941 by gift of Rose L. Sutherland and other donors, to be loaned to students of the School of Medicine	University Loan Fund Created in 1928 by the University to make short time loans for educational purposes	WAR LOAM FUND Created in 1942 by the United States Government to be loaned to students in technical and professional fields of nar- tional defense.

— 81 —

APPENDIX-PAGE 2

DESCRIPTION OF ENDOWMENT FUNDS August 31, 1949

UNRESTRICTED FUNDS

300.00	581.20	. 186,749.38	. 220,155.76	41,570.40	33,601.15	1,000.00	2000
ACKER FUND Acker, Fund Bequest of George N. Acker, M. D., received in 1924, the income only to be used	ALUMNI ENDOWMENT FUND Created by the Class of 1920, to be added to by succeeding graduating classes, the income only to be used	CAMPAIGN FUND Created in 1923-24 by gifts of various donors, the income only to be used	CORCORAN FUND Gift of William W. Corcoran of \$112,000, and gifts of other donors between the years 1871-86, the income only to be used	DAVIS FUND Bequest of Harry C. Davis, received in 1946, the income only to be used	Goddand Endowment Fund Bequest of Frederick J. Goddard, received in 1949, the income only to be used	HAGGETT FUND Created in 1941 by gift of Isabelle Barnes Haggett, the income only to be used	KARO, W. B. FUND

REICHELDERFER FUND

DESCRIPTION OF ENDOWMENT FUNDS (Continued) August 31, 1949

FELLOWSHIP FUND

				- 84	_			
73 821 42	213,030.15		829.67	500.00	158,709.04	167,859.31	14,508.19	102,561.59
KING FELLOWSHIP FUND	Created in 1928 by bequest of Isabella Osborn King, the income to be used for a renowant in 1928 by bequest fellowship in 1928 in memory of her brother, Thomas Bradford Sanders, the income to be used for annual fellowships in various academic fields of study.	PROFESSORSHIP FUNDS	ALUMNI PROFESSORSHIP FUND Ciffs of various alumni since 1911, the income to be used for an alumni professorship in mathematics	CARROLL PROFESSORSHIP FUND Created by Mary A. Sharpe in 1928, in memory of Mitchell Carroll, the income to be used for a chair in archeology	CONGRESSIONAL PROFESSORSHIP FUND Gift of the United States in 1832, by Act of Congress, of \$25,000 in city lots in Washington, D. C., to be sold, the proceeds invested, and the income to be used for professorships	Dependence Course in Public Speaking Fund Course to be used for a course to be known as the "Chauncey M. Dependence of Course in Public Speaking"; income in excess of \$6,000 annually to be added to principal	ELTON PROPESSORSHIP FUND Bequest of Romeo Filton of Exeter, England, in 1872, the income to be used for a professorship to be called the "Liton Professorship of Mental and Moral Philosophy."	FAY PROPESSORSHIP FUNDS Beginner of Annabel Lee, Fry, received in 1945, in memory of her husband, Dr. Henry D. Fry, the income to be used for a professorship in physiciology the income of the two funds to be used for a professorship in physiciology.

Created in 1928 by the Supreme Council of the Ancient and Accepted Scottish Rite of Freemasonry of the Southern furisdiction of the United States of America, as a permanent memorial to George Washington, The Mason, the income to be used to maintain a School of Government. SCOTTISH RITE ENDOWMENT FUND

BORDEN MEDICAL FUND
Created in 1932 by William Cline Borden, M. D., and Jennie Ella Borden, the income to be applied to lectureships to be known as the "William Cline Borden Lectures on Surgery or Medical Science." Any income not required annually shall be added to principal... COLLINS MEDICAL RESEARCH FUND

Created in 1946 by gifts of various donors in memory of Dr. James Lloyd Collins, the income to be used for special Bequest of Eleanor J. Cooper in 1905, on certain terms since modified by the Supreme Court of D. C. as follows: the income to be used toward the establishment and maintenance, in connection with the Medical Department of COOPER MEDICAL RESEARCH FUND research in surgery

the University, of a Research Laboratory, the work of this laboratory to be devoted to the investigation of the nature, causation, prevention, and cure of malaria and other infectious and contagious diseases. FREEMAN MEMORIAL FUND

Created by Dr. Walter Freeman in 1949, in memory of Keen Freeman, the income to be used for research

4,486.55 Bequest of William D. Gardner, received in 1928, the income to be used for the School of Medicine. Bequest of Samuel E. Lewis, received in 1925, the income to be used for the School of Medicine. GARDNER MEDICAL SCHOOL FUND LEWIS MEDICAL SCHOOL FUND

32,298.60 Created in 1940 by the gifts of various donors, the income to be used for the School of Medicine. SCHOOL OF MEDICINE ENDOWMENT FUND SHARPE MEDICAL SCHOOL FUND

Created by gifts of Mary A., Elizabeth M., and Sallie Sharpe in 1924, the income to be used for the School of Medicine

Gift of M. G. Gibbs in 1927, the income to be used to aid in establishing and maintaining a commercial pharmacy course in connection with the School of Pharmacy. GIBBS PHARMACT FUND PHARMACY

APPENDIX-PAGE 4

DESCRIPTION OF ENDOWNIENT FUNDS (Continued) August 31, 1949

HOSPITAL FUNDS

1,225.90	1,200.00	2,500.00	3,071.70	1,180.70	500.00	500.00	10,000.00
CHAPMAN HOSFITAL FUND Bequest of Mrs. Susanna A. Chapman in 1911, the income to be used for the purposes of the free wards of the University Hospital	GENERAL HOSPITAL ENDOWMENT FUND Created in 1929 by gifts of various donors, the income to be used for the benefit of the University Hospital	HOUSER HOSFITAL FUND Bequest of E. Keller Houser, received in 1944, the income to be used to endow a room in memory of his daughter, Anna Victoria Houser	KIMMEL HOSPITAL FUND Bequest of Annie Kimmel, received in 1932, the income to be used for the benefit of the University Hospital	KUHLBANK HOSPITAL FUND Bequest of Freda Kuhlbank, received in 1930, the income to be added to the principal until the principal shall be large enough to maintain a bed in the White Ward of the Hospital to be known as the "Freda Kuhlbank Bed".	NATIONAL PARK SEMIMARY HOSPITAL FUND Gift of students of National Park Seminary of Forest Glen, Maryland, in 1906, the income to be used toward the maintenance of a bed in the University Hospital	REINHARDT HOSPITAL FUND Bequest of Luiss Wynne Reinhardt in 1922, the income to be used for the University Hospital	TREE HOSPITAL FUND Created in 1911 by bequest of Lambert M. Tree, in memory of his mother, Mrs. Laura M. Tree, the income to be used to maintain one or more beds in the University Hospital, to be known as the "Laura M. Tree Bed or Beds."

86

10,000.00

Woodsure Hosertal Fund Bergman of Pillen Lock, Woodburg in 1909, the income to be used for the reception and treatment of female patients in the University Hospital.

0.5
5
5
1
[e3
17
7
2

5,519.00	Gifts of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, in 1923, in memory of Morgan Richardson Goddard, Edward Carrington Goddard, and James Douglas Goddard; added to in 1941 by a gift of Frederick J. Goddard in memory of Alice Douglas Goddard. The income shall be used to award four eash prizes annually to the students making the highest averages in commerce, French language and literature, pharmacy, and American literature, respectively
1,000.00	FITCH PRIZE AWARD (Sift of James E. Fitch in 1883 in memory of Willie E. Fitch, the income to be used for an annual award to a senior student for the best general examination in chemistry.
1,200,00	EVANS MEMORIAL AWARD FUND Created in 1937 by gifts of friends of Joshua Fivans III, the income to be used to establish a prize, as a memorial to an "ourstanding life." to be awarded annually "to that man in the graduating class who has demonstrated his signal ability in the social and political sciences and who has given promise of the interpretation of that ability in good citizenship among his fellows."
3 000 00	ESSARY PRACE FUND Cift of Holen Essary Murphy in 1948 in memory of her late husband, Jesse Frederick Essary, the income to be used for an annual award in journalism
200 00	DAVIS PRIZE FUND Gift of Isaac Davi's in 1847, the income to be used for annual awards to members of the senior class who have made the greatest progress in elecution since their connection with the University
00001	CUTTER PRIZE FUND Gift of Marion Kendall Cutter in 1902, in memory of E. K. Cutter, the income to be used for an annual award for excellence in the study of English
1 000 00	CROISSANT PRIZE FUND Bequest of DeWitt Clinton Croissant, received in 1941, the income to be used to award an annual prize for excellence in dramatics or dramatic studies
3 000 00	COWLES PRIZE FUND Created in 1943 by John Henry Cowles, the income to be used for annual awards in the School of Government
1 000 00	BURNS MEMORIAL AWARD FUND Cift of Persia Burns in 1937 in memory of her son, Byrne Thurtell Burns, the income to be used for an annual award in chemistry.

— 87 **—**

APPENDIX-PAGE 5

DESCRIPTION OF ENDOWMENT FUNDS (Continued) August 31, 1949

PRIZE FUNDS (Continued)

1,000.00	WALSH PRIZE FUND Gift of Thomas F. Walsh in 1901, the income to be used for an annual award for the best essay on some topic in Trish history
1,000.00	SWISHER PRIZE FUND Gift of Charles Clinton Swisher in 1941, the income to be applied yearly to enlarging the sum set apart for the Historical Club, December 7, 1936
300.00	STERRETT PRIZE FUND Gift of the Reverend J. MacBride Sterrett, in 1911, in memory of his son, J. MacBride Sterrett, Jr., the income to be used for books to be awarded annually to the student obtaining the highest average in general physics
500.00	STAUGHTON-ELTON PRIZE FUND Created by gift of Romeo Elton of Exeter, England, in 1860, the income to be used for annual awards for excellence in the Latin and Greek languages, one to be called the Staughton Prize in Latin, the other the Elton Prize in Greek.
500.00	RUGGLES PRIZE FUND Gift of William Ruggles in 1859, the income to be used for an annual award for excellence in mathematics
5,000.00	ORDROMAUX PRIZE FUND Bequest of John Ordronaux in 1909, the income to be used for annual awards in the Law and Medical schools
800.00	LARNER PRIZE FUND Bequest of John B. Larner in 1933, the income to be used for an annual award in the Law School
1,000.00	HUBBARD PRIZE FUND Gift of Gertrude M. Hubbard in 1907, in memory of her husband, Gardiner G. Hubbard, the income to be used for an annual award for excellence in American history

— 88 **—**

WEDDELL PERCE FOND

Cost of Visions (have Weddell in 1923, the income to be used to award annually the Alexander Wilbourne Weddell

From to the attudent submitting the best exact upon the general subject of the promotion of prace among the nations
of the world

00'000'5

APPENDIX-PAGE 6

DESCRIPTION OF ENDOWMENT FUNDS (Continued) August 31, 1949

SCHOLARSHIP FUNDS (Continued)

		_	90 —				
1,200.00	2,300.00	500.00	5,000.00	500.00	5,000.00	2,000.00	1.000.00
COLUMBIAN WOMEN FUNDS BROWN SCHOLARSHIP FUND Created by the College Women's Club of Washington, D. C., in 1925, in memory of Elizabeth V. Brown, the income to be used for scholarships in the School of Education.	CHAMBERLIN SCHOLARSHIP FUND Created by the Columbian Women of The George Washington University in 1932 in memory of Grace Ross Chamberlin, the income to be used for scholarships for young women.	COLLEGE WOMEN'S SCHOLARSHIP FUND GIVENINGTON, D. C., in 1926, the income to be used for scholarships	FOUNDERS OF COLUMBIAN WOMEN SCHOLARSHIP FUND Created by the Columbian Women of The George Washington University in 1920, the income to be used for scholarships for women in Columbian College.	HAMPEL SCHOLARSHIP FUND Gift of Evelyn Hampel Young in 1948 in memory of her mother, Anna Spickel Hampel, the income to be used for Scholarships for married women in the School of Education or Columbian College	HERRON SCHOLARSHIP FUND Greated by the Columbian Women of The George Washington University in 1925 in memory of Lillian Young Herron, the income to be used for scholarships for women in Columbian College. (Formerly Third Columbian Women Scholarship Fund)	KNAPP SCHOLARSHIP FUND CAME of the George Washington University in 1915, in memory of Neliie Maynard Knapp, the income to be used for scholarships for women	Wilson SCHOLARSHIP FUND City of Pikadochi Wilson in 1926 in memory of her parents, Lower D. and Myrtic H. Wilson, the income to be used for achardana to the School of Medicine.

1.000.00	3 000 00	1.000.00	5.031.97	2 050 2	1 500 000	2.839.80	20.000.00	10,000.00
DANTS SCHOLARSHIF FUND Gift of Isaac Davis in 1869, the income to be used for scholarships.	DORSEY SCHOLARSHIP FUND Created in 1947 by gift of Harryman Dorsey in memory of Charles Worthington Dorsey, the income to be used for scholarships	FARNHAM SCHOLARSHIP FUND Gift of Mrs. Robert Farnham in 1871, the income to be used for scholarships in Columbian College.	HARVET SCHOLARSHIF FUND Bequest of Emma Elizabeth Harvey, received in 1923, in memory of her daughter, Elma Lewis Harvey, the income to be used for scholarships in Columbian College for young women of the Protestant faith and of the Caucasian race.	KENDALL SCHOLARSHIP FUND Gift of Amos Kendall in 1869, the income to be used for a scholarship now designated by the Board of Trustees as one of the two High School School Scholarships assigned to Central High School.	MOREHOUSE SCHOLARSHIP FUND Created by gift of A. Morehouse in 1861, the income to be used for scholarships for undergraduates intending to enter the Christian ministry	PEARSON SCHOLARSHIP FUND Bequest of Dr. Paul Pearson, received in 1944, the income to be used for scholarships in the School of Pharmacy.	POWELL SCHOLARBHIP FUND (Jift of Levin M. Powell in 1886, the income to be used to train young men for entrance in the United States Naval Academy or to fit them to become mates and masters in the Merchant Marine Service of the United States.	SHEVARD SCHOLARSHIP FUND Bequest of Lula M. Shepard, received in 1946, the income to be used for scholarships in the School of Government

APPENDIX-PAGE 7

DESCRIPTION OF ENDOWMENT FUNDS (Continued) August 31, 1949

SCHOLARSHIP FUNDS (Continued)

7,434.20	2,000.00	7,529.55	2,500.00	1,953.13	00.009
SPENCER SCHOLARSHIP FUND Created by gift of Louisa J. Spencer in 1918, the income to be used for scholarships.	STORE SCHOLARSHIP FUND An anonymous gift in 1893 in memory of Mary Lowell Stone, the income to be used for scholarships for women students of science in Columbian College.	SWISHER SCHOLARSHIP FUND Created by gift of Dr. Charles Clinton Swisher in 1941, the income to be used to award scholarships in Medieval History	WALKER SCHOLARSHIP FUND Gift of William Walker in 1824, the income to be used for scholarships for undergraduates intending to enter the Christian ministry	WITHINGTON SCHOLARSHIP FUND Gift of the New York Baptist Theological Seminary, on behalf of John Withington, in 1830, the income to be used for scholarships	WOODMULL SCHOLARSHIP FUND Becquest of Fillen M. F. Woodhull, received in 1921, the income to be used for scholarships in Columbian College

92 —

5.000.00	1 000 000	10 000 00	2,000.00		000	3,000,0	12,724.57		57 751 35	20 5 6 7 30	00.100.00
HOWARD LIBRARY FUND Ciff of Colonel Deane Childs Howard in 1943 in memory of Captain Deane Childs Howard, Jr., the income to be used to purchase books for the Library	MEYER LIBRARY FUND Wift of Eugene Meyer in 1944, the income to be used to purchase books for the Library.	Noves Library Fund Bequest of Theodore W. Noyes, received in 1947, the income to be used to purchase books for the University Library	SWISHER ALCOVE BOOK FUND Gift of Dr. Charles Clinton Swisher in 1941, in trust for the Historical Society of the University, the income to be used to purchase books for the Swisher Alcove in the Library.	MISCELLANEOUS FUNDS	DISTRICT OF COLUMBIA D. A. R. ENDOWMENT FUND Created in 1926 by gifts of chapters in the District of Columbia, the income to be added to the D.C.—D.A.R. Loan Fund.	GRADUATE ENDOWMENT FUND	Chase of equipment. Only the income may be used until I and reaches \$50,000 when income, and principal over \$50,000, may be used.	RESERVES FOR PROTECTION OF INVESTMENTS OF ENDOWMENT FUNDS	RESERVE FOR PROTECTION OF CONSOLIDATED ENDOWMENT FUNDS INVESTMENTS Created from gains arising from the sale of investments, and by setting aside annually a portion of the net income of Consolidated Endowment Funds Investments		

— 93 **—**

APPENDIX-PAGE 8

DESCRIPTION OF PLANT FUNDS August 31, 1949

185.40	.07	- 94	50.00 30.40 58.75 58.75 429.91 25.00 225.00 160.00 160.00 160.00 160.00 17.02 9.88 9.88 2.38
185	5,153.07	7,957.13	
FIRED HOUSE FUND Created by gifts of the Class of 1946 to assist in building a field house.	GEORGE WASHINGTON MEMORIAL FUND Created in 1937 by transfer of the assets of the George Washington Memorial Association to the University, to be used toward the erection and equipping of the auditorium.	Law School Expansion Fund Created in 1945 by gifts of various donors, to be used for the acquisition of land and the erection of a building or buildings for the use of the Law School	LIBRARY BOOK FUNDS—GIFTS OF VARIOUS DONORS BRULLER, HENRY F. LIBRARY FUND. BROCK, MABEL C., LIBRARY FUND. CLASS OF 1945 LIBRARY FUND. COUNCIL OF RELICIOUS ORGANIZATIONS LIBRARY FUND DAVIS, HARRY C., LIBRARY FUND. ENGINEERS LIBRARY FUND. HERBST LIBRARY FUND. HERBST LIBRARY FUND. ALREADY ARE WELDING FOUNDATION LIBRARY FUND. ALREADY AND ALDING FOUNDATION LIBRARY FUND. NOVEW, THROUGHER FUND. NOVEW, THROUGHER W., LIBRARY FUND. NOVEW, THROUGHER W., LIBRARY FUND. WONDER LIBRARY FUND.

RESERVE FOR PROTECTION OF INVESTMENTS OF CONSOLIDATED PLANT FUNDS

Created from the income of Consolidated Plant Funds Investments.

1,143.29



THE GEORGE WASHINGTON UNIVERSITY

BULLETIN

FIELDS OF RESEARCH

THE GRADUATE COUNCIL
1950



WASHINGTON, D. C.
JULY 1949

THE GRADUATE COUNCIL

The fields of research listed in this announcement have been authorized by the Graduate Council as those in which doctoral investigations and dissertations may be undertaken. The supporting fields of study required of all candidates for the degree of Doctor of Philosophy are specified for each individual student by his Consultative Committee before admission to study under the Council.

This list of fields is subject to such change as the educational resources of the University may direct. The prospective student may address preliminary inquiries concerning his research interests to the member of the Council who is in charge of the field

or to the Chairman of the Graduate Council.

FIELDS OF RESEARCH

ANATOMY

Directed by Warren Andrew, Professor of Anatomy.

BACTERIOLOGY

(1) Intestinal Microbiology; (2) Immunity in Tuberculosision (2) Problems in Maria III (3) Problems in Medical Bacteriology with especial reference to Diagnostic Methods and Immunization.

Directed by Leland

WILBUR PARR, Professor of Bacteriology.

(1) Intestinal Microbiology; (2) Immunology: Antigent Directed by Angus MacIvor Griffin, Profession Analysis.

Bacterial Nutrition. Directed by CARL ROBERT BREWER. Chief, Bacterial Nutrition Branch, Basic Sciences Division

Anti-Biotics. Directed by HENRY WELCH, Chief, Division of Penicillin Control and Immunology, United States Food and Immunology, United States Drug Administration.

Virology. To be arranged.

BIOCHEMISTRY

(1) Carbohydrate Metabolism; (2) Nutrition (emphasis vitamins); (3) Pathological Cl. Directed by Joseph vitamins); (3) Pathological Chemistry. HYRAM ROE, Professor of Biochemistry.

Directed by Carleton Raymond Treadwell. As sociate Professor of Biochemistry.

Directed by DEAN BURK, Chemist, No. Tissue Respiration. tional Cancer Institute.

BOTANY

(1) Mycology; (2) Plant Pathology. Directed by WILLIAM WEBSTER DIEHL, Adjunct Professor of Mycology.

Taxonomy. Directed by Lyman Bradford Smith, Professorial Lecturer on Taxonomy; Associate Curator, Division of Phanerogams, Department of Botany, Smithsonian Institution.

CHEMISTRY

Organic: (1) Identifications; (2) Syntheses. Directed by Colin Mackenzie Mackall, Professor of Chemistry.

Organic. Directed by Samuel Nathaniel Wrenn, Professor of Chemistry.

Inorganic. Directed by Charles Rudolph Naeser, Professor of Chemistry.

Physical: Solubilities. Directed by Benjamin Douglass Van Evera, Professor of Chemistry.

ECONOMICS

International: (1) International Economic Theory; (2) International Trade; (3) International Finance. To be arranged.

Economic Theory: (1) Economic Fluctuations; (2) History of Economic Thought.

Directed by ARTHUR EDWARD BURNS, Professor of Economics.

Economic Policy: (1) Economic Planning; (2) Public Finance.

nomics. Donald Stevenson Watson, Professor of Economics.

(1) National Income; (2) Public Finance. Directed by Ger-Council of Economic Advisers, Executive Office of the President.

HISTORY

European: Nationalism. Directed by ELMER LOUIS KAYSER, Professor of European History.

United States: (1) Social; (2) Economic. Directed by Wood Gray, Professor of American History.

United States: (1) Diplomatic; (2) Political. Directed by Howard Maxwell Merriman, Professor of American Diplomatic History.

Latin American: (1) Spanish and Portuguese Colonies in America; (2) Nineteenth and Twentieth Century History; (3) Inter-American Relations. Directed by ALVA CURTIS WILGUS, Prefessor of Latin American History.

LAW

Trade Regulation: Trade Practices and Anti-Trust Laws.

Directed by Saul Chesterfield Oppenheim, Professor of Law.

Jurisprudence. Directed by Charles Sager Collier, Professor of Law.

LITERATURES AND LANGUAGES

English: (1) Sixteenth Century Drama; (2) Seventeenth Century Drama. Directed by FRED SALISBURY TUPPER, Professor of English Literature.

English: Eighteenth Century Drama. Directed by GEORGS WINCHESTER STONE, JR., Professor of English Literature.

American: Literary Nationalism. Directed by Robert West.
NEY BOLWELL, Professor of American Literature.

German: (1) Germanic Philology; (2) Comparative Philology. Directed by Edward Henry Sehrt, Professor German.

Romance: (1) Romance Linguistics; (2) Old and Middle French; (3) Old Spanish. Directed by Henry Oralle, Professor of Romance Languages.

Romance: Modern Spanish Literature. ALONSO, Associate Professor of Spanish. Directed by Antonio

Romance: Latin American Literature. Directed by Alberto VAZQUEZ, Lecturer on Spanish American Literature; Chief, North and West Coast Branch American Republic Area Division, United States Department of State.

Romance: (1) Sixteenth Century French Literature; (2) Modern French Literature. Directed by Louis Clark Keating, Professor of Romance Languages.

Romance: Seventeenth Century French Literature. Directed by Merle Irving Protzman, Professor of Romance Languages.

MATHEMATICS

Algebra: Finite Groups. STON, Professor of Mathematics. Directed by Francis Edgar John-

Geometry: Differential Geometry. Directed by JAMES HENRY TAYLOR, Professor of Mathematics.

Analysis: Infinite Series. Mears, Professor of Mathematics. Directed by FLORENCE MARIE

PATHOLOGY

Comparative Pathology. Directed by Thomas Carlyle Section Amajor, United States Army; Chief, Veterinary Pathology Section, Army Institute of Pathology.

PHARMACOLOGY

(1) Chemotherapy; (2) Drug Metabolism. PAUL KENNETH SMITH, Professor of Pharmacology. Directed by

PHYSICS

Experimental: Electronics. Brown, Professor of Physics. Directed by Thomas Benjamin

Electron Optics. Directed by Ladislaus Laszlo Marton,
Physician April Directed By Ladislaus Bu-Physicist, Atomic Physics, Electronics Division. National Bureau of Standard Physics, Electronics Division.

Theoretical: (1) Relativity; (2) Nuclear; (3) Astrophysics.

Physics.

Physics.

Theoretical: The Solid State. Directed by RAYMOND JOHN SEEGER, Chief M. Solid State. Seeger, Chief, Mechanics Division, Naval Ordnance Laboratory.

PHYSIOLOGY

- (1) Nutrition and Endocrines; (2) Cardiovascular System. Directed by Errett Cyril Albritton, Professor of Physiology
- (1) Blood Pressure Studies; (2) Neuro-Muscular Studies. Directed by CHESTER ELWOOD LEESE, Professor of Physiological

Directed by ALBER! RICHARD BEHNKE, Captain, Medical Corps, United Navy; Research Executive, Naval Medical Research Institute

Physiology of Nutrition. Directed by James Manson Hung. LEY, Assistant Chief, Laboratory of Biochemistry and Nutrice and Chief Section of Biochemistry and Nutrice and Chief, Section on Physiology and Biochemistry of Nutripole National Institutes of Health.

POLITICAL SCIENCE

United States: Legislative Process. Directed by Waren REED WEST, Professor of Political Science.

International: (1) International Politics and Organization; Estate Directal Language Politics and Organization; Estate Politics and Organizati Far East. Directed by WILLIAM CRANE JOHNSTONE. Professorial Lecturer in Political Science.

International Law: (1) War and Neutrality; (2) Arbitration. Directed by John Withrow Brewer, Professor of International To be

Public Administration: Governmental Organization. arranged.

PSYCHIATRY

(M.D. degree required for admission.) OVERHOLSER, Professor of Psychiatry.

Directed by Winface

PSYCHOLOGY

(1) Personnel Psychology; (2) Counseling and Guidance Directed by MITCHELL DEPEND D. Counseling and Guidance Directed by MITCHELL DREESE, Professor of Educational Psychology.

Directed by THELMA HEY Psychological Measurements. Professor of Psychology.

STATISTICS

(1) Theoretical: Probability and Sampling; (2) Applied: Econometrics.

Directed by Frank Mark Weida, Professor of

ZOOLOGY

Invertebrate: Morphology and Embryology. Directed by Donnell Brooks Young, Professor of Zoology.

Invertebrate: Molluscan Morphology and Physiology. Directed by Paul Simon Galtsoff, Senior Biologist, Fish and Wildlife Service. United States Department of the Interior.

Parasitology: Parasitic Protozoa. Directed by Willard Hull Wright, Professorial Lecturer on Medical Zoology; Scientist Zoology Laboratory, National Institutes of Health.

THE GEORGE WASHINGTON UNIVERSITY 1821

The Junior College

Columbian College (the Senior College)

The Graduate Council 1893

The School of Medicine

The Law School 1865

The School of Engineering 1885

The School of Pharmacy

The School of Education

The School of Government

The Division of University Students

The Division of Special Students

The Summer Sessions

The University Hospital

SUMMARIES OF DOCTORAL DISSERTATIONS

1947 and 1948



GEORGE WASHINGTON UNIVERSITY

BULLETIN

SUMMARIES OF DOCTORAL DISSERTATIONS

1947 and 1948

WASHINGTON, D. C.

PUBLISHED IN MCMXLIX

BY THE UNIVERSITY



PREFATORY NOTE

This number of the University BULLETIN contains summaries of the dissertations which have been accepted during 1947 and 1948, inclusive, in partial satisfaction of the requirements for the degrees of Doctor of Philosophy, Doctor of Juridical Science, and Doctor of Education at The George Washington University. The original dissertations are filed in the University Library, where they may be consulted by students interested in examining the complete texts.

AVAILABILITY OF DISSERTATIONS

Dissertations listed in this and earlier issues may be ordered copied at cost by the non-profit Bibliofilm Service, care U. S. Department of Agriculture Library, Washington 25, D. C., in bibliofilm or photoprint form.



CONTENTS

DOCTOR OF PHILOSOPHY

Douglas Raymond Fuller Government of Fuller
The state of the s
Donald R
Nicholas Rowe: A Study in the Development of the Pathetic Tragedy (May 28, 1947)
ABRAHAM Days
Octi-selection of The
Nutritional Requirements of Rats (May 28, 1947) 17
LEON JACOBS Relationship
Relationships of Bacteria and Amoebae in Cultures of End-
COUTH Myyram 2
- VIDDICAL C
The state of the s
TELDING Des-
Six Trapedian NUSSELL
KATHRYN MARGUERITE PAINTER WARD George Powell: Playwright Actor (November 11, 1947)
George Powell By AINTER WARD
SARAH ELIZABETH ROBERTS A History of T.
Emphasia Trade Unionism in Latin America (With Special
ACTION
THE O-: -
On the Origin and Relative Abundance of the Elements (May DANIEL ALVIN BOROFF 63
Study On Town
1948) 1 Oxins and Antigens of S Durantarias (Manual)
Helen Osterrieth Nicol
26, 1948) Contribution to Business Cycle Theory (May
00

viii The George Washington University	
DOCTOR OF JURIDICAL SCIENCE	04
JAMES SNEDEKER The Jurisdiction of Naval Courts (May 26, 1948)	. 89
DOCTOR OF EDUCATION	
Max Frank Baer Guide to the Preparation of an Occupational Monograph (Feruary 22, 1947)	
RALPH ORA GALLINGTON Teacher Education in Industrial Arts With Special Emphroon Evaluative Criteria (November 11, 1947)	. 11
Undergraduate Apprentice Teaching in the Education	14
The American Kindergarten in Transition (November	12
Donald Minnegan Criteria of a Good Physical Education Program for Boys Criteria of a Good Physical Education Program for Boys	10

the Senior High School (November 11, 1947)

JAMES ERNEST SPITZNAS

An Approach to the Development of a Functional General Education Program in Maryland (November 11, 1947)...

EARL THOMAS WILLIS

Trends in the Objectives, Subject Matter Content, and Emphases of American ses of American History Teaching in the Senior High School Since 1890 (November 11, 1947)

CLIFFORD PAYO FROEHLICH

Factors Related to the Effectiveness of Counseling (February 23, 1948)

OSCAR HADDON DARTER

Fredericksburg and Vicinity in Perspective: A Study of Rural-Urban Colonial Neighborhood (May 26, 1948)

BLAKE SMITH ROOT

The Induction of New Teachers (November 11, 1948)

The Evaluation of an In-Service Training Program with Special Reference to the Training Program for Service School Officers United School Officer School Officers, United States Navy (November 11, 1948) RALPH WINDSOR RUFFNER

SUMMARIES OF DISSERTATIONS
SUBMITTED FOR
THE DEGREE OF DOCTOR OF PHILOSOPHY

1947 and 1948

obtain financing may merely indicate that other competing uses are preferable economically. Similarly, the fact that a small borrower must pay a relatively high rate of interest may reflect simply large elements of cost and risk, not an institutional gap. When we speak of such a gap, we should confine our meaning to that of an institutional maladjustment which serves to defeat successful operation of the normal functions of the interest rate. An obvious example was the situation prevailing in the years prior to the Second World War, when a surplus of savings striving for liquidity and assured returns existed concurrently with an inadequate supply of capital funds for small or risky ventures. The absence of adequate institutions for converting these savings into the needed capital supply constituted a financial gap.

Three general types of business financing must be provided. are equity or ownership capital, loan capital, i.e., borrowings emplored for medium-term or long-term capital purposes, and short-term of temporary credit. The major source of equity capital in the past had been earnings retained in the business, supplemented by surplus invested directly by friends of the entrepreneur or other individual and funds obtained from all types of investors through the medium of investment bankers. Generally speaking, small business enterprises have had access to only the first two sources, and in recent years there sources have been greatly restricted by virtue of increased tax rates and other adverse influences. An important financial gap exists in the supplying of equity capital to small enterprises.

Because of the nature of small business with its large operating risk and heavy dependence upon a very few men, long-term loans to it realished belong in the equity category, from the standpoint of suppliers of that At any rate, a gap has existed in this area closely similar to that equity financing. As for alleged gaps in the supply of medium the capital loans, much controversy exists upon which the experience we will shed some light. It is true, however, that small loans this type have normally carried relatively high rates. Finally, as get the supply of short-term credit, despite disagreement in some present the weight of evidence indicates that no gap of consequence present petition is not present.

Most proposals for governmental assistance in filling financial carried into one of three classes: proposals for direct advances by ment agencies, for guaranty or insurance by the government of made by private institutions, and for the establishment of regional by the westment banks, usually with some private participation. However, no means all proposals for action call for governmental financial institutions; while others envisage Government assistance of financial institutions; while others envisage Government assistance.

a technological character which would reduce the risks of small business, or tax relief which would promote the building up of capital from

retained earnings.

Governmental financial assistance to private enterprise is by no means solely a recent development. However, in this country, until the 1930's, assistance had consisted mainly of subsidies to particular industries which it was desired to develop and of loans to agriculture. Stress upon the need for assistance to small business enterprises as a class is of comparatively recent origin. This does not mean that the problems of small business financing had not impressed some observers, or that no private institutions undertook to meet the need. After about 1910, a steady growth occurred in finance companies which offered loans especially adapted to the needs and hazards of small business, and increasing numbers of commercial banks moved to broaden their traditional lending policies. In addition, numerous local organizations for financing new enterprises were established in the interest of community industrial development. In general, however, prior to the 1930's the continued rapid growth of the economy tended to obscure such problems as were known to exist.

Before 1930, the principal experience of the Federal Government in financing private enterprise came from the activities of the War Finance Corporation during and after the First World War, and from the operations of the Federal Land Banks and the Federal Intermediate Credit Banks in financing agriculture. The depression of 1930 brought a rapid multiplication of such agencies, notably in the fields of agricultural and home mortgage financing. In agricultural financing, Government agencies have provided a material competitive stimulus to private institutions, and have been instrumental in lowering mortgage financing rates and in promoting sound lending practices, such as the regular amortization of long-term loans. The government's agricultural credit system now includes both cooperatively owned agencies operating upon business principles and direct government agencies which assume above-normal risks in the furtherance of social objectives. In home mortgage financing, two government-sponsored systems have developed, a cooperative mortgage banking system making rediscounting Privileges available to member institutions and a direct government agency which insures the loans of private institutions. The Government's activities in home mortgage financing appear both to have stimulated the lated the total volume of lending and to have exercised a beneficial influence on lending practices.

A few foreign governments had created special industrial lending institutions even prior to 1900, and in more recent years, especially since 1930, governmental financial assistance to private business has been very general in foreign countries. The actual volume of such lending, however, has not been large, and a special committee of the League of Nations concluded in 1939 that "the small volume of credit extended does strongly suggest that there is no great unsatisfied legitimate demand at the present time." The committee added that serious inadequacies did appear to be developing in the supply of equity capital to small business. Relatively few institutions which attempted to cope with this problem had been created. Since 1944 a government-owned Industrial Development Bank in Canada, has attempted to face the problem, but its early results are inconclusive. During its first year of operation it made no equity investments.

In the United States, experience in government financing of business under peacetime conditions is confined mainly to the lending operations of the Federal Reserve Banks and the Reconstruction Finance of poration, undertaken as emergency measures during the depression of the 1930's but still in existence. These agencies are restricted in their activities—the former activities—the former, employing in part privately owned capital, to loans for working capital purposes with maturities not in excess of five years. and the latter, to secured loans with no fixed limit on maturities with relatively for large with relatively few loans in practice permitted to exceed five years. Financing in each case may be direct, shared with a private institution or merely guaranteed to a specified extent. During 1945, the Recomstruction Finance Corporation introduced what is known as a Blanket Participation Agreement by means of which banks may obtain the auticipation are an auticipated with the auticipate matic guaranty of up to 75 per cent of loans meeting certain simple requirements and not exceeding \$100,000 in amount or ten years in maturity.

In the face of the large expectations held by the promoters of these two lending programs, the most impressive fact which stands out trainereview of their experience in the control of the control of their experience in the control of the control review of their experience is the relatively small total of loans actually made. Some applicate how made. Some analysts have concluded from this experience that no Other really significant unsatisfied demand for loans has existed. have suggested that the loaning standards employed must have been excessively strict. This excessively strict. This is a difficult controversy to resolve, for integrating the strict of include the stri tangible elements of judgment enter strongly into a decision whether a given business is creditworthy. However, despite legitimate criticism of procedures which ware conprocedures which were often cumbersome and expensive to small business, the basic factor appears to small business. ness, the basic factor appears to have been a lack of unsatisfied demanders to the type of loan and typ for the type of loan offered. This was in part due to an incressite willingness during the president willingness during the period under review of private financial institutions to make funds available for other than short-term, self-liquidating purposes. In turn this of purposes. In turn, this reflected increasing confidence, as the effect of the great depression disappears. the great depression disappeared, and other factors such as more legister bank examination policies. bank examination policies, as well as the competitive spur to Beyond institutions of the activities of the government lending agencies.

this, the relatively small volume developed by the government agencies indicated that the type of financing authorized by Congress was not what was really wanted. These agencies offered loans, not equity capital, and they offered a business transaction set up to provide reasonable assurance of repayment, not a subsidy.

During the Second World War, important innovations in financing were adopted as a means of insuring an adequate volume of war production, in particular the full utilization of small manufacturers with limited financial resources. Very large direct advance payments against specific war production contracts were made by the military services. These advance payments were highly important in obtaining production promptly, but favorable experience with them is of limited significance to the present subject, for the military services were engaged in financing their own customers when there was virtually no limit to the production which was required or to the funds which were available to pay for it. More important to our study is the guaranteed loan program initiated in 1942. Under this program the military services were empowered to guarantee in whole or in part, using the Federal Reserve Banks as their agents, loans made by private financial institutions. It was intended to utilize the facilities of the commercial banking system to arrange loans for large numbers of small manufacturers and subcontractors which it was proving impracticable to finance through the mechanism of advance payments. It was frankly expected that the loans guaranteed would involve large risks, such that private institutions could not be expected to make them without guaranty. A graduated schedule of guaranty fees was established, varying according to the percentage of guaranty requested, in order to encourage maximum participation by the private

A very large total of financing was made available through the guaranteed loan program, and it unquestionably proved a useful wartime financial tool. Losses were negligible, and these "V loans" clearly facilitated the supplying of credit to essential enterprises which it would otherwise have been difficult to finance. However, when we consider this this experience in the light of possible usefulness of its technique for meeting peacetime financing problems, two major qualifications are apparent. In the first place, much of the smoothness with which the program operated was due to the obvious urgency of the wartime problems which had to be met. There was on this account strong pressure toward workable compromise and prompt action and relatively little opportunity for bureaucratic quibbling or perfectionism. Secondly, wartime lending was distinguished by the existence of a tangible and unquestioned criterion upon which decisions as to the extension or rejection of tion of credit could in the final analysis be based. This was the simple test of essentiality of the borrower's production to the prosecution of the war. In contrast, the criteria normally proposed for peacetime

lending, such as "creditworthiness", appear vague indeed.

Another wartime lending program of interest is that of the Smaller War Plants Corporation. This program stressed promotion of the welfare of small business by enabling small concerns to obtain a larger participation in war production, and it was aggressively pushed by a large field organization. The Corporation was willing to accept heavy risks, yet the volume of loans made by it actually grew but slowly and remained relatively small throughout the war. Its lending activities were consolidated with those of the Reconstruction Finance Corporation in January 1946. in January 1946. Its principal contribution to lending technique was its stress upon the need for provision to small business of technical advice

and managerial assistance as well as financial aid.

Despite a strong tendency to require the protection of a government guaranty in connection with war financing and the apparent popularity with small beaks of the D with small banks of the Reconstruction Finance Corporation's blankets guaranty, it does not follow that significant numbers of private bankers are abdicating their risk-taking function. On the contrary, steads transformation of banking practices to meet present-day needs appears to be in progress. Term loans have continued to grow in importance, and other specialized lending techniques, including those particularly applicable to small business, have spread widely. Practices of many bankers have undoubtedly been liberalized as a consequence of warting experience in looking at a weak financial statement with the thought in working the problem out rather than turning the borrower away, addition, banking tradaddition, banking trade associations are engaged in a vigorous campaign to spur on private lending, in particular term loans and loans to small business. In many control of the specific specif business. In many centers banks have organized credit pools large stand ready to facilitate the handling of loans too risky or too large for the originating banks.

The experience here reviewed confirms rather definitely the view that no significant gap now exists in the provision of either short-term credit or medium-term loan capital, even for small business. relatively meager lending accomplishments of the Federal Reserve and the Reconstruction Line and the Reconstruction Finance Corporation must, in view of the strong efforts made by them be a little of the strong of priefforts made by them, be taken to indicate the general adequacy of private institutions. vate institutions. However, despite this present adequacy it appears wise to retain one govern wise to retain one government agency, preferably the Reconstruction Finance Corporation, to operate in this general area, serving partly a supplementary credit a supplementary credit mechanism available in emergencies and partly as a continuing spur to continuing spur as a continuing spur to private institutions. Such an agency may also be helpful in the development of be helpful in the development of improved lending techniques and of

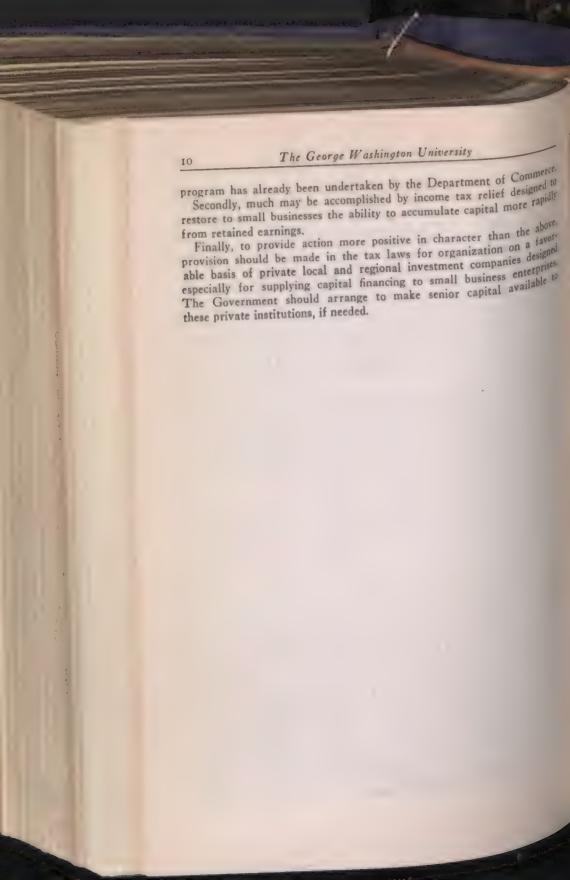
On the other hand, nothing in the experience here surveyed affords

justification for challenging the general belief that a significant gap now exists in facilities for the provision of equity capital to smaller businesses. In fact, no direct experience has been had in this field by our public agencies, nor have private sources attempted seriously to develop the field. It is indeed surprising that the problem of providing equity capital has received so little attention, for obviously inability to secure adequate equity capital is a highly important factor in failure to obtain bank credit. Lack of agitation in this respect raises the question of how far the prevalent undercapitalization of small businesses may actually be due to unwillingness of the entrepreneur to dilute his own capital of others. Such factors are probably fully as important as the more theoretical objection that provision of risk capital by the Government is incompatible with an economic system based upon private enterprise.

Neither does the experience reviewed cast any doubt upon the existence of a gap in facilities for long-term loans to small business. Some small progress has been made in recent years toward narrowing this gap, for the development of a large volume of medium-term loans has tended to push some commitments over into the long-term category. However, this gap is closely related to that in equity financing. Unfortunately, it is gap is closely related to that in equity financing.

fortunately, it has received very little more attention. Granting the existence of important gaps in the availability to small business of long-term capital financing, equity or loan, and in view of the continued failure of effective private action to develop in this area, We would appear to require no further demonstration of the need for governmental action. The type of governmental assistance which is desirable in order to narrow these gaps is another question. It certainly need not be limited to financial assistance. For one thing, we must consider the possible effect of such financial assistance upon the net volume of investment, i.e., whether provision of capital by the Government ment to a given enterprise would have the effect of restricting other undertakings. More important, direct financing of equity risks by the Government is clearly not in the long run compatible with a free enterprise economy, and direct government financing of what are essentially equity risks, although in the form of long-term loans, is almost equally illogical. illogical. Sharing of ownership by the Government is not a satisfactory

solution, and neither is direct subsidy, with the new problems it creates. Fortunately, although direct government financial assistance be ruled out, several indirect means of assistance are feasible. One such measure through provision of improve the management of small business, thereby reducing the heavy operating risks which are a principal handicap of such businesses in securing financing. In a limited way, such a



NICHOLAS ROWE: A STUDY IN THE DEVELOPMENT OF THE PATHETIC TRAGEDY

by DONALD BETTICE CLARK •

Nicholas Rowe was born June 30, 1674 at his maternal grandfather's home in Little Barford, Bedfordshire. His mother was the former Elizabeth Edwards, daughter of the lord of the manor. Little Barford. His father, John Rowe, a younger son of an ancient Devonshire family, had left the western shire and had successfully pursued his rising star in the profession of law at the Middle Temple, London. In the year 1692 he died, leaving his only son, the future dramatist. 300 pounds a year and his chambers in the Temple, for the youth was now reading in law at the Middle Temple. At an early age, Nicholas had been placed in a prime there he had proin a private grammar school in Highgate, and from there he had proceeded to study under the tutelage of the famous Dr. Busby at Westminster. At the age of seventeen he entered Middle Temple, where after studying law for five years he was called to the bar.

His practice was evidently lucrative enough to warrant his marriage in 1698 to Antonia Parsons and to support his son John, who was born a year later. Although literature beckoned, his family responsibilities must have dictated to his desires, because Stephen Hales, author of a short Life of Rowe prefixed to Musarum Lachrymae, a memorial volume of poems published by Rowe's friends at his death in 1718, tells us that " I his came upon us that "while he still kept his Chambers, a play or two of his came upon the Star."

Rowe's appearance upon the dramatic scene precisely at the beginning of the century, as well as any intrinsic merit in the plays themselves, must be reckoned with in attempting to account for his phenomenal success D. success. By 1700 tragedy as the Restoration audience had known it was as good as dead. The audiences desired and paid for lighter entertainment of the surface desired and paid for lighter entertainment of the unsettled ment, a fact possibly induced by the war with France and the unsettled political situation at home. Genest's survey indicates that tragedy was popular in the following order: (1) adaptations of Shakepeare, (2) pathetic drama of the type written by Otway, Banks, and Southerne, and (3) the last of the type written by Otway, Banks, and Southerne, South, in this and (3) the heroic tragedy of Dryden, Lee, and Settle. Settle, in this period, however, was writing nothing but dramatic entertainments with music. Dryden died the first year of the century, but his creative work in tragedy has died the first year of the century, but his creative work in tragedy had stopped with Cleomenes in 1692. Congreve, still an important of the Mourning important figure in drama, had written only one tragedy, The Mourning Iohn Crowne had Bride, four years before the turn of the century. John Crowne had written his years before the turn of the century. John Crowne had written his last play, Caligula, in 1698 and was to die in 1703. Only Southerne and Congreve remained on the scene in 1700 as mute remind-May 26, 1947. Wilmington College; Ed.M. 1940. University of Cincinnati; Ph.D. conferred

ers of the tragic years gone by. The time was ripe for an ambitions dramatist to discern the taste of the people and to cater to it it had would find for himself would find for himself a place in the annals of the stage. Rowe arrived at this fortunate time.

His first play, The Ambitious Stepmother, was produced at Lincoln's Inn Fields theatre in December 1700. It was an heroic tragedy, dosely following the lines laid down by Otway and Lee in their earlier efforts at this type. In the prologue Rowe openly admitted Otway as his master. Like most beginning writers, Rowe has synthesized materials from several sources: Biblical, historical, and dramatic. The overall plot which he follows plot which he follows loosely is Biblical: the securing of David's crown for Solomon through the a for Solomon through the efforts of his mother Bath-sheba and Zalish the high priest (II Samuel 11; I Kings 1:5-49). At several points Rowe's characterization and narrative closely parallel the Biblical account. It also seems and parallel the Biblical account. count. It also seems evident that Rowe has utilized additional details. from Justinus' Historiae philippicae, xxxviii:10-xxxix, 3. The character zation of the heroine Artemisa is closely modeled on the heroine Pierre Corneille's Radaguna Pierre Corneille's Rodogune, a dramatization of the Justinus history Several episodes appear in common in both Rowe's and Cornelle, plays. It appears highly perhall a little both Rowe's and Cornelle, plays. It appears highly probable that Lee's Mithridates and Common Caius Marius and Venice Probable that Lee's Mithridates and Common Caius Marius and Venice Probable that Lee's Mithridates and Common Caius Marius and Venice Probable that Lee's Mithridates and Common Caius Marius and Venice Probable that Lee's Mithridates and Common Caius Marius and Caius Andrea and Caius A Caius Marius and Venice Preserv'd have contributed not only incident but also the emotional tone which is early established in The Ambilian Stepmother.

With the production of Tamerlane, probably during the first week of January 1702, the new playwright came into his own as a promined writer. Cast, like its predocested writer. Cast, like its predecessor, in the outward form of an herology, Tamerlane was actually play, Tamerlane was actually a hymn of praise to the White particles. headed by Rowe's hero, William III. Certainly, the play was considered to the whole was such by the eighteenth century, which certainly the play was considered it at such by the eighteenth century, which for eighty years produced it nually on November ath and see the nually on November 4th and 5th, the anniversaries of William's day and his landing on English day and his landing on English soil. Rowe's main source for the well-hitherto unnoticed, was a work in D hitherto unnoticed, was a work, in Rowe's personal library, by the well-known Elizabethan Richard Koull. known Elizabethan Richard Knolles, entitled The General History, the Turkes. Tamerlane parallels Known the Control of the Cont the Turkes. Tamerlane parallels Knolles' account of the history Tamerlane and Bajazet very closely. Furthermore, Rowe's characteristic zation of Tamerlane is the same as that of Knolles, a characterization unlike the traditional one that D so unlike the traditional one that Rowe's contemporaries were staffly at the un-Mohammedan tolerance. at the un-Mohammedan tolerance. Genest's statement that borrowed something but not much to borrowed something but not much from Saunder's Tamerlane the Green appears, upon comparison, to be appears, upon comparison, to be an overstatement. There are no harder is a support of the upon the upo larities. Miltonic imagery flashes throughout the play. On the ware Tamerlane in its more fluent. Tamerlane in its more fluent moments shows an advance over The bitious Stepmother, but it shows I Feeling established, Rowe forsook the law and gave his whole atten-

tion to his first love, the theatre. The first fruit of this union was The Fair Penitent, put on the boards at Lincoln's Inn Fields sometime between March 8 and 13, 1703. The theatre-goers, remembering the splendid majesty of Tamerlane and the rant of Bajazet, were taken aback by this play which postulated a woman as its central figure. It was the first of Rowe's "she-tragedies", a name which he himself gave to the type. Long after the political allusions of Tamerlane had lost their point, The Fair Penitent was furnishing the great tragediennes of the eighteenth and even the early nineteenth centuries a starring role. The play is an adaptation of Massinger's Fatal Dowry, with the emphasis sis shifted from the hero of the earlier work to the heroine of Rowe's opus. Massinger's characters have been completely saturated with pathos, a treatment Rowe found at hand in Otway's Orphan and Venice Preserv'd. In Calista and Lothario, later to reappear as Clarissa and Lovelace in Richardson's novel, Rowe has created his two most dynamic characters. The Fair Penitent shows possible influence from John Ford's Love's Sacrifice and 'Tis Pity She's A Whore. There emerges from the play the first clearly defined instances of sentimentalism in Rowe's of Penitent shows Rowe's effeminizing his male characters. Also, The Fair Penitent shows Rowe moving into the pathetic field, terrain which Otway and Banks had prepared but which Rowe was to bring to its highest fruition.

On November 23, 1705 Rowe returned to the stage of the Haymarket attempt with Ulysses, outwardly an heroic tragedy but actually an of the main plot is taken from Homer's (Idyssey; that of the sub-plot atrical records indicate little contemporary success and few revivals for

Again at the Haymarket Theatre on November 25, 1707, he essayed another heroic play, The Royal Convert. Gibbon's offhand statement that the source was Procopius' History of the Wars can hardly be given theme, characterization, and verbal similarities are too common to be from Rowe's earlier plays, and Otway's touch is again felt. A new matic impact of the central figure, Ethelinda. She is too saintly, a trait renders her incomplete.

which renders her impassive and negates any possible tragic conflict.

In 1709, Rowe published a six volume edition of Shakespeare's plays, editors. The effort is not particularly noteworthy from a modern point and a freedom from the fact that Rowe shows a remarkable individuality that day. His biography of the Elizabethan remained the authoritative

one of the eighteenth century, being appropriated by Pope, Hanner Warburton, Dr. Johnson, and Steevens. On the whole, modern editors grant Rowe's edition the praise that it preserved data which was danger of disappearing and further, that it presented a much needed

foundation for future Shakespearean study.

On February 2, 1714, his most famous tragedy, Jane Shore, was first acted at Drury Lane. Genest writes of a run of nineteen nights, a record which in the theatrical history of those days could scarcely be paralleled by any other success. Rowe advertised the play to be written in initial tion of Shakespeare, but the ovation it received was not due to his en deavoring to achieve this or to the drawing power of the hard. success lay in the fact that it was the dramatist's most pathetic tragedy". Rowe's primary source was Sir Thomas More's History Richard III, the source of the Holinshed treatment which formed the basis of Shakepeare's Richard III, in which Jane is only incidental the the general character study of the sadistic king. Rowe uses many of the same incidents which Shakespeare had utilized, but he uses them to protect the pathon for Long. It is the protection of pathos for Jane. It is possible that Rowe knew the anonymous There Tragedie of Richard the Third, but there are few resemblances. can be little doubt, however, that Rowe availed himself of Thomas wood's Edward IV is the wood's Edward IV in the characterization of the tearful heroint, dramatic technique, in Jane's early life, in Bellmour and Shore, and several verbal horrowings. several verbal borrowings. There, likewise, can be little doubt that Rowe has taken situations at the Rowe has taken situations and lines from John Banks' Unhappy Factorite and Vertue Retravit. ite and Vertue Betray'd. Though essentially Jane Shore is not spearean. Rowe increase have been been been as the second s spearean, Rowe justifies his claim in adapting Shakespearean naterial in writing a historical plan along the speare of the spear in writing a historical play along the Shakespearean pattern, and in the ling over the Council source (as the council source). ing over the Council scene from Richard III as well as echoing and images from the Flirabeth

A year later in April 1715, his last tragedy, Lady Jane Groy, ared. The play is a beauty peared. The play is a heterogenous mixture of borrowings from Banks' two plays. The Innocess It Banks' two plays, The Innocent Usurper and The Island Queens, The son's Cato, and Rowe's earlier Fair Penitent and Royal Convert. assimilated material is grafted onto the historical narrative of page 1910. Gray which Rowe found in Bishop Burnet's History of the Relevant tion. The tragedy achieved a moderate success but was far below the

Flushed with success and financially secure because of the political rooms George I bestowed upon the political secure because of the political secure because honors George I bestowed upon him, Rowe married Anne Devenish land.

1717. He was not to enjoy his communications between the policy land. 1717. He was not to enjoy his success and new-found domesticity because he fell ill during the because he fell ill during the winter of 1718. The contemporary nember is papers announce his death on December 6, 1718, and on December 18 In the short space of two years following his death, Rowe had taken his burial in Westminster Abbey among the poets of England.

his place in the annals of English drama as a playwright of the passions, a writer of pathetic tragedy. Fifty years later, dramatic critics were still testifying to his popularity as a pathetic writer. For a figure whose ultimate niche in dramatic history must be small and obscure in a relatively shadowed corner of the hall of fame, Rowe's influence was impressive throughout the century, not only in England but also in France and particularly in Germany where Lessing found him useful in breaking

the chains with which French neo-classicism had bound German drama. Allardyce Nicoll has stated that "Rowe is a dramatist whose works must fully be mastered before any true appreciation of eighteenth century tragic development can be possible." Such a conclusion is valid in two respects. (1) Rowe, whose work began the century, serves as a confluence of the intellectual and dramatic tributaries of the earlier century; and at the same time he introduces most of the innovations which distinguish the eighteenth century type of tragedy from that of the Restoration and Elizabethan periods. (2) Rowe's significance in eighteenth century tragedy cannot be based upon any claim for greatness in his writing; rather, it finds support in the immense popularity of his plays throughout the century, particularly Jane Shore and The Fair Penitent, the two which indisputably secure him a seat of modest honor in

The study of Rowe's successive plays has revealed him to be an experimenter. His career opened upon the heroic note, still a popular inheritance from Dryden and other Restoration dramatists. Even here, however, in The Ambitious Stepmother and Tamerlane, one can see his dissatisfaction with heroic tragedy. In the first of these, the pathetic element in Cleone, a love-sick maiden, received his closest attention; in the second play, the heroic form is used only as a vehicle for political

Possibly feeling that the best escape from the heroic genre lay in developing the potentialities of the earlier Cleone of The Ambitious Stepmother and the Arpasia of Tamerlane, Rowe concentrated his attention on depicting in his third effort, The Fair Penitent, a pathetic female— Calista. Here in this play and to an even greater extent in Jane Shore, we find the state of the we find the characteristics of the "she-tragedy" clearly outlined. One characteristics of the "she-tragedy" clearly outlined. characteristic is the centering of the play about a feminine protagonist rather than a masculine one. The inevitable concomitant of this emphasis upon a masculine one. The inevitable concomitant of the process phasis upon the feminine is an effeminizing of the hero. Such a process can be seen adumbrated in Otway and in John Banks, Restoration forerunners of Rowe, but in Rowe the softening of the hero is pushed to its farthest limits. At times, indeed, the line between masculine and feminine characterization, especially in Rowe's pathetic tragedies, is scarcely discernible

A second characteristic of the type is to be seen in the fact that the

"she-tragedy" was aimed at the feminine part of the audience, a new social factor in the theatre brought about by the rising importance of the merchant class.

A third characteristic, growing out of the first two, is an emphasis upon sentimentalism. In Rowe, it is not a belief in the philosophy of sentimentalism—the doctrine of confidence in the essential goodness of human nature—rather it is a sentimental artifice, an excessive flow of tears to enhance the pathetic atmosphere of the play. Also, to achieve this pathos, Rowe exploits the "rape" motif in six out of seven of his tragedies. This device is distinctly related to his centering his plays about a heroine and aiming them at a feminine audience.

Rowe's experimentation in pathos gave rise to a phenomenon unusually rare in early eighteenth century tragedy—a return to the Elizabethins

Having settled upon the "she-tragedy" as his forte and having learned other than Shakespeare. the qualities of its nature from the early Heywood and the later Otway. Southerne, and Banks, Rowe added his own personal touch to the species —a didactic moralism. This intent had been present in Heywood by implication but it had been completely absent in Otway, Rowe's avowed master. In Rowe have master. In Rowe, however, the moral purpose is unmistakable. most cursory reading of his seven tragedies reveals that they are actually little more than theatrical sermons. One feels that he used drama with the singere intention of with the sincere intention of holding up a pattern, an example to cocourage his audiences to a moral way of life.

If the tragedy is to be an example to his audience, the moral lesson is inculcated must be applicable to that audience, and this application is made plausible by made plausible by lowering the social level of his characters. approaches this lowering of the scale cautiously. Lillo, three decades later, can safely reduce his hero to the lower classes, but Lillo is not

writing at the close of the Restoration.

Rowe, though not a profund dramatist in any sense, had thus served bridge the distance between the destance betwee to bridge the distance between the Elizabethan drama and the domestic tragedy of the mid-eighteenth century. He had acted as a guardian of English dramatic tradicional control of the mid-eighteenth century. English dramatic tradition. His work made possible Lillo's London Merchant, but his direction Merchant, but his direct influence upon that play is intangible. A realistic element—foe of sentiment istic element—foe of sentimentalism and pathos—had entered with The London Merchant, and as about the sentimentalism and pathos—had entered with has London Merchant, and at this point the current of English tragedy slow lett the narrow banks of the pathetic and has begun its broad, slow meandering which will down meandering which will flow unhindered until Ibsen and then diverge into the channels of naturalism, symbolism, the problem play, and the many other branches which many other branches which attempt to restore purpose and meaning to tragedy as a dramatic form. Among these can be found occasional reminiscences of the old peaker. reminiscences of the old pathetic tragedy so fascinating to the eighteenth century theatre-goer who enjoyed weeping with Jane Shore.

SELF-SELECTION OF DIET AS AN INSTRUMENT FOR INVESTIGATING THE NUTRITIONAL REQUIREMENTS OF RATS

by ABRAHAM DURY .

STATEMENT OF THESIS

It has been reported by Richter that: (a) animals, particularly rats, Were able to make qualitative and quantitative selections from a choice of several dietary constituents and to continue the selections over many days; and (b) that changes in the quantitative self-selection of certain substances following distortions in the normal physiology reflected changes in the animal's internal environment for which the animal was trying to compensate.

It is the purpose of this thesis to study whether the expanded selfselection of diet is feasible as an instrument of research. It was pro-Posed to study this problem as follows:

1. To determine whether rats, both immature and adult, can survive and grow under a regime of self-selection of diet, i.e., the adaptation of the rat to a "free-choice" environment.

2. To observe what dietary constituents rats select, at what general

level, and with what variability when in a "free-choice" environment. 3. To determine whether a significant difference in levels of intake of any dietary constituent could be shown when a difference in conditions Was imposed as between two groups of rats in a "free-choice" environ-

HISTORICAL BACKGROUND

The first experiments involving a form of self-selection of diet were done by two pioneer investigators in nutrition, Osborne and Mendel. In the course of experiments on adequate and inadequate diets, they found that choices were made which tended to promote normal growth in young animals, and to maintain the adult animal in good health. Mitchell and Mendel, in experiments with rats on the choice of diets differing only in type of completeness, stated that even in "... synthetic mixtures which appear to the senses to be essentially alike, rats and

mice make selections which are advantageous to their nutritive condition". Franke and Potter showed that rats are able to detect small quantities of selenium in their diets, and avoid such diets.

Davis showed that if the children were permitted to choose their food at meal times from a large selection they grew normally and were healthy. These children were selecting unbalanced portions of a meal

^{*} A.B. 1936, Brooklya College; M.S. 1940, New York University; Ph.D. conferred May 28,

which over a period of time, constituted a balanced diet which sup-

Dove felt that the manifestation of the choice of foods is measurable ported growth. and is a distinctive characteristic of individuals. Selection of a given food was found to be dependent upon a number of variables.

Jukes, studying the ability of chicks to correct an imposed dietary deficiency, found that chicks did not choose the necessary diet with the deficient components added which would have alleviated their nutritional deficiency.

Kon and Clark and Clausen found that only some rats from a group made successful selections of the few items offered for "free-choice".

The following is a summary of the findings of Richter and his associates during the years 1937 to 1943.

1. Normal rats make beneficial selections from purified substances when these are offered to the rats in separate containers.

2. Rats on vitamin deficient diet will seek vitamin(s) or substance(s)

3. Appetite for carbohydrate and fat always shows an inverse relationwhich will help replace the vitamin deficiency.

4. Self-selection of diet is more efficient than the regular stock dietship. Bulk is apparently not necessary; and the animals take a higher percentage of fat in their diet by selection than is given in synthetic stock

5. Rats deprived of endocrine secretions which regulate metabolism of carbohydrate, fat, protein, or electrolytes will select substances which compensate for loss of the beneficial functions of these secretions as

6. When the techniques of self-selection of diet have been properly regards these substances. studied and standardized, it may be possible to use this method to

bioassay hormone and vitamin preparations.

Powell used an extensive array of salt and vitamin solutions as well a separation of the characteristics. as a separation of the three foodstuffs for the rats to select their stable She pointed out that eight rats per cage were inadequate for stable curves, and indicated the curves, and indicated that the high degree of variability in her selfselection data probably could have been reduced by increasing the number of rats per group ber of rats per group.

MATERIALS AND METHODS

The ordinary metal rabbit cage was adapted, with a few changes, to serve in these experiments.

These bottles originally designed by Richter, were graduated cylinders uniform length but of Jim of uniform length but of different diameters. We have used in these experiments bottles having the following capacities: 3 cc., 5 cc., 10 cc., 15 cc., 80 cc., and 120 cc. The mouths of these bottles were uniform in size and appearance for each capacity bottle.

THE SOLID DIET-PROTEIN, CARBOHYDRATE, AND FAT

A specially designed rack was made of wood in which four holes had been drilled to hold two-ounce agate or glass ointment jars. The screw top of an ointment jar was soldered at approximately a 20° angle to a metal cone. The rat got at the food in the jar by crawling into the cone and then removing the food from the jar proper through the hole in the jar cover.

THE SALT AND VITAMIN SOLUTIONS OFFERED TO THE RATS IN THE

BOULD SELF-SELECTION EXPERIMENTS			
Bottle Number	Solution	Concentration (%)	
I and 2	Water	Distilled	
3	NaCl		
4	KCI	3	
5	NaH,PO	3	
	KH,PO.	3	
7 8	CaLactate	3	
	FeCitrate	3	
9	CuSO	3 3 3 3	
10	MnSO		
11	MgSO	3 3	
	Al ₂ (SO ₄) _e	3	
13 14	CoCl.	i	
15	ZnCl.	î	
19	Iodine	0.54	
20	Thiamine	0.5	
21	Riboflavin	0.02	
22	Pyridoxine	0.5	
23	Nicotinamide	0.5	
24	CaPantothenate	0.5	
25	Para-amino-henzoic acid	0.5	
26	Choline Cl	0.5	
27	Inositol	0.5	
28	Ascorbic acid	0.5	
29	Vitamin A	0.5	
30	Uil Control (ethyl laware)	,	
31	Calcitemi	0.02	
33	a-Tocophemi	0.5	
34	Vitamin K	0.7	
35	Vilamin P (machal alalama of lamasia	lin) 0.5	
The the	Biotin Chalcone of nesperio	0.002	

three foodstuffs used in these experiments were as follows: Protein—Casein (vitamin-free) Labco Brand, Borden Co.

Carbohydrate—Corn Starch, Baker's Pride Brand.

Fat Armour's Simon Pure Leaf Lard.

The solid foodstuff mixture which was used in the experiments had the following composition:

ollowing composition:		1 Disciple	"High-Fat Diet"
Foodstuff	"Norm	nal Diet" *	20
Protein (gm) Carbohydrate (gm)		55 25	30
Fat (gm)		100	100
Calories in 100 gm. of solid	diet	540	,

A uniform mixture of the foodstuffs was attained by thoroughly mixing them with a specially devised metal stirrer attached to an electric drill press.

THE ANIMALS

All the animals used in the experiments reported in this dissertation were female rats of the Wistar strain obtained at approximately 35 days of age from a large stock colony. These rats were then kept in our laboratory for one week or more before being placed under the conditions of the self-selection tests.

The number of rats in a cage for this type of experiment poses an interesting question in technique. With one rat in a cage, the given selection of items by that rat can be directly observed. However, the variability of daily consumption has been shown to be a serious problem even with eight rats in a cage. This means that a large number of single rat cages would have to be used to lower the daily variation in consumption. When large numbers of items are on the cage for selfselection, as in our experiments, this would present a serious technical problem. Therefore, it was decided to place twenty or more rats in a cage in order to attain the same theoretical advantages which a large number of single rat cages would give when a mean or other "resultstatistic" would be used in the analysis of data secured in these selfselection experiments.

Adaptation of Rats to Self-Selection of Diet

Rats were placed on the self-selection of diet after a two-week adaptation to this new regime. The cages were complete with all the drinking bottles, and the food cups contained the "normal diet" mixture of protein, fat, and carbohydrate (salt- and vitamin-free). Rat chow biscuits were also given freely in this period. No records were kept of the food consumption during this adaptation period. This phase of the The procedure during the second week of the adaptation period was adaptation period lasted seven days.

[·] Salt-free and vitamin-free

the same as that of the first week except that the rat chow was gradually discontinued. During this week, also, the "high-fat" foodstuffs mixture was gradually substituted for the "normal" foodstuffs mixture in the experiments where salt and vitamin selection by rats on "normal" versus "high-fat" diets were compared. Thus, at the beginning of the third week the synthetic diet was the only source of foodstuffs (salt-and vitamin-free).

DETERMINATION OF THE SALT AND VITAMIN CONSUMPTION

Following the two-week period of adaptation, the experimental phase was considered to be in progress. A reading of the volume of solution present in each bottle was made every other day (with checks on the bottles on between days). The volume of a solution consumed in a two-day period was calculated to give the value of mgm. of salt or vitamin consumption per 100 gm. of body weight of rat in a cage.

EXPERIMENTAL EVIDENCE

The data in this study have been divided into three parts for analysis and evaluation. Part I is concerned with the growth (weight-increment) and survival of rats on self-selection diet and other evidence from the experiments which permitted an evaluation of the adaptation of the rats to the self-selection regime. Part II is concerned with the level of consumption of each of the dietary substances offered for "free-choice", and the variability of consumption of each of these substances. In Part III, the data were analyzed for evidence of the effect, if any, on the levels of intake of the salt or vitamin solutions when a difference in conditions was imposed, as between any two groups of rats in a "free-choice" environment.

PART I: THE GROWTH AND SURVIVAL OF RATS ON THE SELF-SELECTION DIET

A. GROWTH AND SURVIVAL OF YOUNG RATS ON THE "FULLY-DISPERSED"
SELF-SELECTION DIET

A group of female rats, age 51 days, was divided between two cages as follows: 48 rats destined for self-selection of salts, vitamins, and the three foodstuffs were placed in a self-selection cage; and 45 rats cage. At the age of 69 days the first group of rats was placed on self-given a composite diet (prepared in this laboratory) of the three foodstuffs and all the salts and vitamins which were available on the cage

The solid composite diet of the control group was prepared as follows

		N. Cl	Modified Salt Mixture % of Total Salt Mixture 6.9
Casein (vitamin-free)	18%	NaCl KCl NaH,PO,	11.3 2.4 21.0
Crisco	8%	Kh.PO. CaLactate FeCitrate CuSO.	54-3 1.0 0.09
Salt Mixture	4%	MnSO ₄ MgSO ₄ Al ₂ (SO ₄) ₆	0.035 4.1 0.017
Starch	70%	CoCl ₂ ZnSO ₄ Iodine	0.02 0.02 0.008

Into each 100 gm. of above, added:

0.1	mgm	Thiamine Cl
2,0	mgm	Riboflavin
1.0	mgm	Pyridoxin
2.0	mgm	CaPantothenate
200.0	mgm	Choline Cl
	mgm	a-Tocopherol
400.0	micrograms	Vitamin K
	micrograms	Biotin Nicotinamide
	micrograms	
8000		Vitamin A
800	units	Vitamin D ₀

The composite synthetic mixture was stirred into uniformity with a electric-drill mixer.

A comparison of the weight-increments of the two groups of rate tring one month of the during one month of the experiment showed that the experimental group of rats stopped gaining weight immediately after being placed on this regime. However the this regime. However, the control group of rats given the composite synthetic diet continued to gain synthetic diet continued to gain weight. In fact, the weight-increment of this control group compares very favorably with the pattern of weight-increment of Wiscon (weight-increment of Wistar female rats as given by Donaldson.

The reason for this marked difference in growth between the selfgroups is not clear. However, it is clear that the items on the selection cage are not, for real that the items of the rate control of the rate co selection cage are not, per se, deleterious to growth since the rats com-

This controlled study of the weight gain of rats on the expanded not self-selection regime seemed to indicate clearly that young rats do not do well under these conditions. do well under these conditions. This raised the question of whether raised would grow better when the "f would grow better when the "free-choice" environment would consist of * Based on the salt mixtures recommended by Hubbell, R. B. et al. J. Nutri. 14: 377. Hawk, P. B. and Oser, B. L. Science 74: 360, 1931.

the three foodstuffs combined into a single mixture (salt- and vitaminfree) with only salt and vitamin solutions offered to the rats for selection.

THE GROWTH AND SURVIVAL OF YOUNG RATS ON SELF-SELECTION OF SALTS AND VITAMINS WHEN GIVEN A "NORMAL-PROPORTIONED" FOOD-STUFFS DIET OR A "HIGH-FAT PROPORTIONED" FOODSTUFFS DIET (SALT-AND VITAMIN-FREE)

A group of 99 female rats of age 47 days were placed on self-selection after a two-week adaptation period as follows: 50 rats were equally distributed between cages C and D and given a "normal-proportributed between cages E and F (25 rats in one cage, and 24 rats in the other) and given a "high-fat proportioned" foodstuffs diet. Cages E survival, and the intake of mineral and vitamin solutions by self-selectiet.

The rats in the four cages were kept on an equicaloric foodstuffs

After the tenth weighing (approximately four weeks), it was decided to remove all the "weight-loser" rats from the original two groups of rats, on the different foodstuffs diet. The average weight of the remainwas at a new high point as a result of removing the "weight-losers" by this selective action. It is noteworthy that from this point the growth dietary constituents paralleled the growth curve of Wistar female rats fore evident that poor growth and mortality continued. It is therein self-selection experiments. Apparently mortality can occur under this of this strain of rats.

C. THE GROWTH AND SURVIVAL OF ADULT (MORE THAN 100 DAYS OLD)

RATS ON SELF-SELECTION OF SALTS AND VITAMINS WHEN GIVEN A

NORMAL-PROPORTIONED" FOODSTUFFS DIET (SALT- AND VITAMIN-FREE)

In view of the rather severe effects of this technique on the growth
the growth and survival of young rats, it was of interest to study
Two cages were set up with Wistar female adult rats as follows:

Gree C.

Cage G 45 adult female rats, 100 days old, average weight 148 gm.
The data from this experiment may be summarized as follows: The average weight of the large group (45 rats in one cage) was 164 gm. weight of Wistar female rats at this age (114 days) as 165 gm. At the

end of four weeks of self-selection, these rats weighed 178 gm. Donaldson gives the average weight for this age as 180 gm. There had been no deaths during the four weeks on self-selection.

A similar pattern of adaptation appeared in the group which had started with 22 rats. The average weight at the time they were put on self-selection was 201 gm. This compares with Donaldson's average weight of 195 gm. for this age rat. At the end of four weeks on selfselection, these experimental rats weighed 216 gm. as compared with Donaldson's average of 205 gm. at this age. There were no deaths in this group of adult rats on self-selection for four weeks.

The general conclusion which may be drawn from these experiments of the growth and survival of young and adult rats on self-selection is that by the standards of weight-increment and survival the adult rate can adapt to this regime whereas the young rat, in the main, is unable to

adapt to self-selection.

PART II: THE CONSUMPTION OF SALT AND VITAMIN SOLUTIONS AND THE VARIABILITY OF THE LEVEL OF CONSUMPTION

Data on the intake of the different minerals and vitamins by selfselection were obtained from the group of young rats; from the ers" of this group; and from the adult rats. The total consumption of an item recorded from day to day includes not only the direct which by the rats of that item but also the small amount of evaporation which cannot be avoided. The extent of evaporation of the water solutions will be a greater factor in a given reading than those items in solution in ethyl laurate (the factor) in ethyl laurate (the fat-soluble vitamins). There are in an experiment of this kind other farms of this kind other factors which possibly influence a given "total consumption" reading, as: competition for an item between two or more rats in the experiment; also, probably a number of other "psychological rat factors which control of the contro rat factors which operate in a self-selection cage of rats. It is believed that these influences are the that these influences on the day to day consumption were "smoothed out" by using a large number of out. out" by using a large number of rats in each cage, by the length of the periods of observation (approximately one month), and the use of the statistic "Mean Level of Consumption (mgm/100gm of rat)".

The following minerals, in the order given, were consumed at higher can levels per 48 hours mean levels per 48-hour period than any other item on the care. CaLactate, NaCl, NaH,PO, Kh,PO, and KCl. This pattern propeared in the three experimental groups of rats regardless of the proportions of the two foodstuffs diets that were given. The remaining salts offered for "free-choice" in these experiments were consumed at generally low levels of moon. generally low levels of mean consumption (mgm/100gm of rat) per the hour period. A noteworthy hour period. A noteworthy feature of these data is that the vitamins and the minor salts were generally and the minor salts were generally consumed at approximately the same mean levels per 48-hour period. The significance of this pattern of intake of available salts and vitamins is not known. However, it is believed that these data offer some evidence that rats can distinguish between some of the different solutions. This does not imply however,

that they do so on the basis of satisfying a physiological need. An aspect of this technique which is of importance in the consideration of this method of self-selection as an instrument was the high daily variability of consumption of each of the different items. It has been the belief in this laboratory that the high degree of variability observed in daily consumption of any given item could be reduced by using a larger number of rats per cage. Accordingly, 45 adult rats were placed in one cage, and 22 adult rats in another cage. The lab-Oratory conditions were identical, as well as the items on the cages and the foodstuffs mixture. Comparison of the standard deviation values for the several items for self-selection given these two groups of rats shows that of the 27 standard deviations, the cage with 45 rats had 17 smaller and 10 larger values than the standard deviation values for the cage of 22 rats. Such a distribution of these values may have been due to chance alone. This variability may be integrated in the self-selection

PART III: THE EFFECT OF A DIFFERENCE IN CONDITIONS AS BETWEEN ANY Two GROUPS OF RATS ON THE SELF-SELECTION OF SALTS AND

It was of considerable interest to determine whether our expanded telf-selection method could be used to indicate a difference in intake of talts and vitamins as between any two groups of rats.

A. THE EFFECT OF A "NORMAL-PROPORTIONED" VERSUS A "HIGH-FAT PROPORTIONED" FOODSTUFFS DIET ON THE SELF-SELECTION OF SALTS

The rats given the "normal-proportioned" foodstuffs diet were considered the controls versus the rats given the "high-fat proportioned" foodstuffe. toodstuffs diet. The mean consumption (mgm/100gm of rat) per 48-hour period and the standard deviation were calculated from the records of consumption during 28 days of observation. The difference between each pair of means was calculated together with the probability that chance alone could equal or exceed such a difference between

The 48-hour mean level of consumption per 100 gm. of rat for NaCl, alactate. Calactate, Al₂(SO₄)₂, CoCl₂, and iodine in the two cages were significantly disc nificantly different. Also, the following vitamins were consumed at statistically different. Also, the following vitamins riboflavin, Castatistically different. Also, the following vitamins were pantothenas significant different mean levels: thiamine, riboflavin, Capantothenate, para-amino-benzoic acid, choline, inositol, and vitamin Da. Of these items, all but Al₂(SO₄), and CoCl, were consumed at lower levels by the second support of the sec mean levels by the group of rats on the "high-fat" foodstuffs diet.

A second analysis of this type was made of the data secured from the consumption of salts and vitamins by the two groups of "weight-gaine" which had apparently "adapted" to some extent to self-selection dietary constituents. As in the above analysis, the "gainer" rats at "normal-proportioned" for least a "normal-proportioned" foodstuffs diet were considered to be the controls versus the "gainer" rate of the control versus the control versus the "gainer" rate of the control versus the control versus the "gainer" rate of the control versus the c trols versus the "gainer" rats given a "high-fat proportioned" joulstoned diet as the experimentals. diet as the experimentals. For each of the items offered, the mean compution (mgm/1000gm of sumption (mgm/100gm of rat) per 48-hour period and the standard deviation were calculated from the deviation were calculated from the records of consumption during the days of observation.

The forty-eight hour mean level of consumption per 100 gm. of per NaCl, KCl. Call and the Consumption per for NaCl, KCl, CaLactate, FeCitrate, and MnSO, in the twee comments of the com were significantly different. Also, the following vitamins were sumed at statistically significant 150 sumed at statistically significant different mean levels: riboflavin, Tocarbana acid, vitamin D₁, and a Tocarbana acid, vitamin D₂, and a-Tocopherol. All of these items, except at high pherol, were consumed at higher mean levels by the group of rate the "high-fat proportioned" for large the "high-fat proportioned" foodstuffs diet. It appears, theretote, under the conditions of the under the conditions of the experiments, in spite of the generall su degree of day to day variation in consumption of each item, tistically significant differences in mean levels of consumption for significant as herwards.

It is shown in B of Part III that the difference of those items in the actual value "Difference beauty that the difference of those items in the last the difference beauty that the difference items in the last the difference beauty that the difference is the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the difference is the last the difference in the last the actual value "Difference between the Means" is less than one man and the per 100 gm. of rat and the per 100 gm. of rat and yet are statistically significantly different well be the result of such form well be the result of such factors used in the derivation of the result of such factors used in the derivation of the result of such factors used in the derivation of the result of such factors used in the derivation of the result of the re statistic "P" as: Difference of the size of the two groups. "evaporation factor". Therefore, only a few of the items were acts: consumed at statistically significant different mean levels.

B. THE EFFECT OF A DIFFERENCE IN NUMBER OF RATS PER CAGE ON TO SELF-VEL THE SELF-VE

The data from the two groups of adult rats (groups G and H). self-selection of diet were also suitable for an analysis of the effect of difference in conditions, as between two cages, on the mean consumption of salts and vitamine. of salts and vitamins. Both groups were observed concurrently the same laborators the same laboratory conditions. The two groups were given in mormal" foodstuffs discontinuous discon "normal" foodstuffs diet ad lib. Eighteen items were consumed significantly different significantly different mean levels. The smaller group consumed in the smaller group consumers were consumers. nificantly more (per 100 gm. of body weight) of: FeCitrate, CoCl., ZnCl., iodine, this mail of the smaller group consumits. CoCl₂, ZnCl₂, iodine, thiamine, riboflavin, pyridoxin, nicotinania, Pantothenate, chaling shi Pantothenate, choline chloride, inositol, vitamin A, and vitamin P. NaH.PO., KH.PO., vitamin D. NaH.PO., KH.PO., vitamin D., and vitamin K were consumed at nificantly higher mean deiled by the state of tass. The specific factors which were responsible for the significant nificantly higher mean daily levels by the larger group of rate.

The specific faces.

ence in consumption of the eighteen items between the two groups are not known. However, they are apparently related to the difference in the size, and possibly to the fifty-three day difference in age of the two groups. The difference in the size of the two groups could possibly be related to such differences as: activity, "group temperature", and competition at the drinking bottles among other factors which might

conceivably influence the mean daily levels of consumption. The results of the data indicate that particular attention must be Riven to at least these factors in setting up of self-selection experiment of several cages: (a) The number of rats in all cages must be the same. (b) The total weight of the rats in all cages must closely approximate each call each other. (c) The mouths of all drinking bottles should be of uni-

SUMMARY AND CONCLUSIONS

t. The general scope and limitations of a method of self-selection of salts and vitamins as an instrument of research were investigated.

2. It was found that groups of forty to fifty young, immature, female tats (approximately fifty days old) had a 65 to 70 per cent mortality in the course of ten weeks when exposed to this self-selection method of

3. Groups of immature rats appeared unable to gain weight under the imposed regime, whereas control rats given a synthetic composite diet of all the substances offered for self-selection gained weight com-Parable to the normal weight curve of this strain of rat.

Two groups of adult rats (more than one hundred days old at the start of the experiment) gained weight and survived on self-selection of salts and vitamins for thirty days.

5. The data therefore indicated that adult rats apparently can adapt this most a sufficient to this method of self-selection of salts and vitamins to a sufficient extent to enable their use in investigations employing this method as an experimental is experimental instrument. Young immature rats are a greater risk on method at

this method than is usually accepted in the design of an experiment.

6. Mean land is usually accepted in the design of salts 6. Mean levels of consumption ± Standard Deviation of salts and vitamins were determined for several different groups of rate—adult rats, young "adapted" rats, and young rats which apparently were

7. The daily consumption of salts and vitamins by the self-selection exhod was shown of rats tested. method was shown to be highly variable in all groups of rats tested. Because of this variability, analysis of the data must be made statistically; particularly if the effect of an imposed condition is to be analyzed.

The data can be The data can be expressed by a value, as, "Mean Daily Level of Consumption (mgm 100gm of rat) ± Standard Deviation".

8. By statistical treatment of the data, it has been shown that per

100 gm. of rat there is a statistically significant difference in the men level of consumption of a few salts and vitamins by rats consuming "high-fat" fooders as "high-fat" foodstuffs diet as compared with an identical group of rate consuming a "normal area as compared with an identical group of rate consuming a "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with an identical group of rate consuming as "normal area as compared with a second property of the consuming as "normal area as a compared with a second property of the consuming as a "normal area as a compared with a second property of the consuming as a compared with a second property of the consuming as a compared with a second property of the consuming as a compared with a second property of the consuming as a compared with a second property of the consuming as a compared with a second property of the consuming as a compared with a second property of the consuming as a compared with a second property of the consuming as a compared with a second property of the consuming as a compared with a second property of the consuming as a compared with a second property of the consuming as a compared with a consuming a compared with a consuming a consuming a compared with a consuming a cons consuming a "normal-proportioned" foodstuffs diet (salt- and vitaming free) in concurrent experiments.

9. Evidence has been presented that apparent statistically significant differences in the mean consumption of an item as between two groups of rats may be the consumption of an item as between two groups. of rats may be the resultant of the following factors, particularly when actual value of the difference of the differenc the actual value of the difference between the means was small the difference in size of the groups, a difference in total weight of groups, and the influence of the "evaporation factor".

10. Evidence has been presented that "weight-loser" rats present in group probably raise the variability of the mean salt and vitamin inter-

11. Methods and procedures of observing groups of rats on grates and procedures of observing groups of rates on grates of the contract of the "extensive" self-selection of salts and vitamins have been presented discussed.

RELATIONSHIPS OF BACTERIA AND AMOEBAE IN CUL-TURES OF ENDAMOEBA HISTOLYTICA

by LEON JACOBS .

The work described in this thesis is an outgrowth of studies which have been carried on at the Zoology Laboratory of the National Institute of Health during the past several years on the cultivation of Endamoeba histolytica with single species of bacteria. The object has been the attainment of knowledge of the relationships of bacteria and amoebae in vitro to be applied to the establishment of cultures of the protozoan without bacteria. amoebae in Locke's-egg medium, usually enriched with powdered rice All the studies were carried out on cultures of starch (L.E.R. medium). It was considered that correlations between the oxidation-reduction potentials produced by various bacteria, and the growth of amoebae with these bacterial species might furnish a clue to the respiratory needs of E. histolytica. Studies were conducted on the early stages of newly transplanted cultures to find out if freshly started cultures cultures could furnish an opportunity for the testing of growth requirements of ments of the amoeba in the absence of bacteria-produced effects. As an outgrowth of these experiments, an investigation was made of the effect of penicillin on cultures of Endamoeba histolytica growing in the presence of penicillin-sensitive species of bacteria. Penicillin was also used in out used in substitution experiments, in which it was attempted to eliminate a penicillin-sensitive organism growing with the amoeba and to replace it with a penicillin-resistant species.

The development of the theory of oxidation-reduction potentials is presented briefly, and a review is given of the literature on this subject in the fall in the field of protozoology. The reasons for studying the oxidation-reduction reduction potentials of amoeba cultures are presented: sterile filtrates of bacterial cultures failed to produce growth of amoebae from microisolated cysts although the live bacteria supported such growth. Cultures of tures of amoebae with bacteria developed from micro-isolated cysts in a shorter shorter time when kept in an atmosphere of 15 per cent carbon dioxide than when incubated aerobically. The excystation of sterile cysts had been accomplished in the presence of a reducing agent, cysteine hydrochloride, by Snyder and Meleney in 1941.

Potentiometric measurements of cultures of five species of bacteria growing in the Locke's-egg-rice medium were made. The bacteria studied were Bacterium coronafaciens, Bacillus subtilis, Streptococcus hemolyticus hemolyticus strain number 563, organism "t", and Clostridium perfringens. Determination number 563, organism "t", and control number 563, organism "t". ens. Determinations of hydrogen-ion concentration were made on cultures of all tures of all species except Bacterium coronafaciens. The pH readings Conferred May 28, 1947. College: A.M. 1918. The George Washington University. Ph.D.

were supplemented by others made on parallel cultures inoculated at the same time in the same manner.

Many experiments were performed, except in the case of B. corona faciens, because considerable variation in potential was found even in parallel tubes of the same experiment. The potential variations the countered are discussed as possibly attributable to differences in the quantities of reducing substances in the medium and corollary differences in bacterial growth the heterogeneous systems being measured, it is pointed out that the potential readings do not have the definite interpretation possible in known solution of a circle and interpretation possible in the solution of a circle and interpretation of known solution of a single oxidation-reduction system. The pH readings did not exhibit much variation.

Bacterium coronafaciens has very little reducing tendency. A low potential was reached only after 60 hours' growth, and then attained only -114 millivolte. only -114 millivolts. Bacillus subtilis has a somewhat greater reducing activity, reaching a potential of -110 millivolts in 20 hours and eventually going as low as -110 million of million of the first state of the fir ally going as low as -150 millivolts. The pH of the cultures with and bacterium changes from 2 bacterium changes from 7.4 to about 6.75 during the first 24 hours, and then gradually rises again then gradually rises again to levels of about pH 7.3. Streptoraction hemolyticus is even more hemolyticus is even more reducing, reaching a level of about pH 7.3. Streptown along the millivolts at pH 6.0 to 6.2. The millivolts at pH 6.0 to 6.3. The potentials in cultures of these three

organisms are maintained for up to three weeks.

Within the first few hours of incubation, organism "t" rapidly lowers e oxidation-reduction potential the oxidation-reduction potential of the medium to about -360 millivale at a pH of 6.3 to 6.5. The results of the medium to about -360 millivale at a pH of 6.3 to 6.5. at a pH of 6.3 to 6.5. Thereafter the cultures exhibit a return to higher potential levels and may be a second to the medium to about -360 minutes at a pH of 6.3 to 6.5. potential levels and may have an Eh as high as -40 millivolts at hours, after which they may be a start of the nositive hours, after which they may gradually go even higher, to low positive levels. The pH of these culturally go even higher, to clostrians levels. The pH of these cultures remains fairly constant. Clostelian perfringens also lowers the processing fairly constant. perfringers also lowers the potential of the medium to -300 millions or below, but low potentials or below, but low potentials persist with only a relatively slight rise at up to 50 hours and even henced. up to 50 hours and even beyond. The pH of cultures of this anaerale to 50 hours and even beyond. reaches 6.2 at about 6 hours, after which it gradually decreases to 6.0 at 50 hours.

Cultures of amoebae growing with the different species of bacterial owed parallel potential time. showed parallel potential-time curves with no differences more significant than the variations neurally cant than the variations usually encountered. Apparently the oxidation reduction potential of the prediction and the prediction potential of the prediction potential potent reduction potential of the medium is not affected by the amoebae, of the state of t so slightly affected that the effect is not detectable in the presence of the bacteria.

Data are also presented on the numbers of bacteria in cultures of Endamoeba histolytica. These counts indicate that a drop in numbers of bacteria does not always occur. bacteria does not always occur after the initiation of growth of annecina as has been reported by others. A sharp rise in oxidation reduction of amoeba cultures and the sharp rise in oxidation in the potential of amoeba cultures attributed by Chang to a decrease in the bacterial population may be explained by some other phenomena, such as fluctuations in relative numbers of the different species of bacteria in mixed cultures.

Although growth of Endamoeba histolytica is most abundant with the two species of bacteria, organism "t" and Clostridium perfringens, which produce low potentials in the L.E.R. medium, the growth of the amoeba cannot be correlated with the maintenance of very reducing conditions. Counts of the amoebae in culture with organism "t" indicate that growth of the amoebae is most rapid after the Eh has risen to only slight. slightly negative or to low positive potentials. With Clostridium perfringens, the growth of the amoeba is most rapid during the same interval, between 24 and 48 hours, but in this case the potential remains low, Consequently all that can be said is that the amoeba is capable of multiplication within a wide range of oxidation-reduction potentials. The Eh of uninoculated L.E.R. medium is about 250 millivolts, and that of deoxygenated medium is about -50 millivolts. Therefore, while it appears that some reduction of the medium is required for the growth of Endamoeba histolytica, it may be that this reduction is accomplished by the bacteria merely by the depletion of oxygen in the medium. The fact that multiplication of E. histolytica in culture with organism "t" continue continues at low positive potentials (below 50 millivolts) indicates that the amoeba may be capable of growth in environments containing small amounts of oxygen as well as under strictly anaerobic conditions. It is also possible that carbon dioxide tension may be important.

While no studies were made of oxidation-reduction potentials in relation to exceptation, correlations between the ease of establishment of bacteria, and the potentials produced by these bacteria are made. These arguments are coupled with the observations of other workers and with port the idea that a lower potential may be required for the induction of trophozoites.

Studies were made of changes in amoeba population during the first 24 hours in newly transplanted cultures of Endamoeba histolytica grow-of the lag phase of the bacteria by varying the size of the bacterial inculum, or of allowing bacterial growth to proceed for different lengths amoebae at the time of inoculation and after 24 and 48 hours were made I.

It was shown that the length of time necessary for the production of reducing conditions in the L.E.R. medium by organism "t" is a function of the size of the bacterial inoculum. Since the establishment of reduc-

ing conditions is related to the onset of the logarithmic growth phase of the bacteria, this is a demonstration of how the size of the bacterial inoculum influences the lag phase. It was found that on transplantation into fresh medium a decrease in numbers of amoebae occurs. The length of this period of decline of amoebae appears to be dependent on the length of the lag phase of the bacteria, since a sufficient increase in numbers of bacteria in the bacteria of bers of bacteria in the inoculum lessened the decrease in numbers of amoebae. Conditioning of the medium by the growth of bacteria prior to inoculation with amoebae was found to shorten or eliminate the period of amoeba decline. Also, the heat treatment of medium conditioned by the growth of bacteria does not destroy its beneficial effect for

It was therefore considered that the period of amoeba decline in fresh medium would allow opportunity for testing of growth requirements of the amoebae entirely. Endamoeba histolytica, before the bacteria began to exert their effect. If any added ingredients or modified conditions were capable of lessening the decrease in numbers of amoebae during the first 24 hours, they could be considered important for the cultivation of the protozoan without bacteria. When projection out bacteria. When penicillin became available, it was used for producing bacteriostasis in young cultures, thereby further lessening the effect of bacteria on the experimental results and allowing an increase in

Medium conditioned by a 24-hour growth of Escherichia coli or of aphylococcus aureus Staphylococcus aureus and then heat-treated at 65 degrees C. for two hours to kill the bacteria hours to kill the bacteria was compared with fresh L.E.R. medium for ability to support Endowed ability to support Endamoeba histolytica in the presence of penicillin used to inhibit bacterial ground. to inhibit bacterial growth. The amoeba inoculum in these tests was derived from cultures growth. derived from cultures growing with Streptococcus hemolyticus or more frequently, with Classicities of the streptococcus hemolyticus or more streptococcus or frequently, with Clostridium perfringens. No cultures of amoebac developed in fresh medium is a oped in fresh medium in these tests, while the protozoan survived and multiplied in the tubes of multiplied in the tubes of conditioned medium for at least 48 hours. Dilution plate counts showed a very considerable reduction in numbers of bacteria, from over a will of bacteria, from over 3 million per ec. at the start of the experiment to about 1,000 per ce. after about 1,000 per cc. after 24 hours, but complete elimination of the bacteria was not obtained

Attempts were made to eliminate the viable bacteria entirely by save transplants of cultural containing. cessive transplants of cultures through tubes of penicillin-containing conditioned medium. In the containing two conditioned medium. In the first trial, of three cultures started, two survived through four transplants in conditioned medium containing added dead bacteria. added dead bacteria. After the fourth transplant, these cultures was maintained through 26 more than maintained through 26 more transplants, over a period of more than three months, in conditioned three months, in conditioned medium containing added dead bacteria.

defibrinated rabbit blood and defibrinated rabbit blood, and a mixture of nine water-soluble from one During this time, by the process of inoculating two new tubes from one old culture, seventy cultures were derived from the original two. Therefore, although growth was always meager, with usually only one amoeba seen per low power field of the microscope in the examination of sediment from the tubes, there is no doubt that multiplication of amoebae took place. The time between transplants was extended to every six to eight days,

From ten to fourteen transplants were made without the use of penicillin. In no case did Clostridium perfringens, the bacterium originally introduced with the amoebae, grow out, nor was it possible to demonstrate the presence of any bacterial contaminants by the use of thioglycollate medium, aerobic and anaerobic blood agar slants, or Sabouraud's agar. Numerous sterility tests with these media failed to show the presence of any viable bacteria.

After the thirtieth transplant, a sudden cessation of growth of the amoebae in these cultures was observed, and all the cultures were lost soon thereafter. The reason for this occurrence cannot be explained.

During the course of this experiment, a number of attempts were made to duplicate the results with other series of cultures. In three cases the amoebae survived for only one or two transplants in conditioned medium containing penicillin. In a fourth attempt, of three cultures started, two cultures survived through seven transplants. In the fifth attempt, of six cultures started in conditioned medium containing and one through the fifteenth transplant. Two transplants from this occurred in sterility tests made in thioglycollate broth containing a be concluded that the Clostridium perfringens, which was present at presence of bacterial contaminants.

During the course of these experiments, some observations were made on the effect of various ingredients of the conditioned medium on the growth of the amoebae. It was observed that a slight stimulatory effect teries of cultures without viable bacteria, cessation of growth occurred ing these substances. In other experiments, growth of amoebae perum plus vitamins than in tubes containsisted through more transplants in penicillin-containing conditioned medients. Phagocytosis of red blood cells by the amoebae was observed to substitute glucose for powdered rice starch in the first series through as many as nine transplants, without any deleterious effect on the amoe-

bae. In the second series in which amoebae persisted after the elimination of viable bacteria, glucose was used from the start.

Filtrates of conditioned L.E.R. medium with and without added suspensions of dead bacteria were compared. It was found that in no case were cultures of amoebae obtained in penicillin-containing filtrates of conditioned medium, while growth of amoebae did occur in the same filtrates plus dead bacteria. In one case, multiplication of amoebae was obtained in unconditioned medium containing a suspension of dead bacteria and penicillin

The continued growth of amoebae without viable bacteria may be due to an adaptation of the protozoan to a new environment, such as has to an adaptation of the protozoan to a new environment, such as has been observed in the case of free-living holozoic ciliates in the establishment of cultures without bacteria. Dead bacteria apparently Howfactor to the medium without which the amoebae do not survive. Howfactor, the meager growth of amoebae in conditioned medium plus added ingredients, and the mortality of cultures during the process of elimination of viable bacteria, indicate the need for some heat-labile, non-filterable substance present in live bacteria. The penicillin technique is offered as a practicable method of investigating the growth requirements of Endamoeba histolytica without concern for the role of the bacteria, and the most fruitful direction for such studies is thought to toward the preparation and testing of bacterial extracts uninjured by heat.

A summary is given of the various species of bacteria which, singly, have supported growth of Endamoeba histolytica in the L.E.R. medium and in liver infusion agar medium. Discrepancies observed in the ability of bacteries to currently and the ability of bacteries are ability of bacteries and the ability of bacteries are ability of bacteries and the ability of bacteries are ability of bacteries and the ability of bacteries and the ability of bacteries are ability of bacteries and the ability of bacteries are abilit of bacteria to support growth of amoebae in cultures established from trophozoites but not from cysts are discussed. By the use of penicilin successive transplants. in successive transplants, it was attempted to perform substitution experiments, eliminating and its substitution experiments. ments, eliminating penicillin-sensitive bacteria and replacing them with penicillin-resistant species, in cultures of amoebae. Thus the ability of various bacteria to support warious bacteria to support growth of amoeba trophozoites in the L.E.R. medium could be determined. Attempts to substitute Shigella dysenteriae, Salmonella contentation teriae, Salmonella enteritidis, or Proteus vulgaris ()X 19 for Streptococcus hemolyticus or for Clostridium perfringens in amoeba cultures failed even with the mentioned and the second failed even with the use of concentrations of penicillin as high as 200 units per cc. of overlay Will units per cc. of overlay. When Pseudomonas aeruginosa was added to amoeba-streptococcus cultures, the amoebae died. In cultures containing Salmonella enteritidis in addition to the streptococcus or the clostridium, the amoebae survived the addition of Shigella dysenteriae to cultures of amoebae with Cl. perfringens resulted in the disappearance of the amoebae.

It was possible to substitute Klebsiella pneumoniae, Eberthella is phosa, and Salmonella paratyphi A and B for Streptococcus hemolytics!

in similar experiments. This is of interest, since in studies on the establishment of cultures of *E. histolytica* from micro-isolated cysts with various species of bacteria, no cultures had ever been produced with Salmonella paratyphi. Consequently it is apparent that while a bacterial species may not be capable of initiating cultures of amoebae from small numbers of cysts, it may be capable of maintaining amoeba trophozoites in vitro. This may be due to the failure to obtain a proper balance between the bacteria and the few amoeba trophozoites emerging from the cysts. It is also possible that the paratyphoid bacilli were not capable of producing sufficiently reducing conditions in the L.E.R. medium to induce excystation of cysts.

A SEROLOGICAL STUDY OF A STRAIN OF S. MELEAGRID. IS AND OF THE BACTERIOPHAGE RESISTANT STRAINS DERIVED FROM IT

by EDITH MYNETTE RICH .

The purpose of this study was to determine the antigenic structure of organisms from the secondary growth of a culture submitted to the action of a specific bacteriophage. Most of the earlier work reported in the literature showed that the resistant strains were "rough" where the susceptible strains were "smooth," or vice-versa; or that there was no antigenic difference between them. Some of the more recent findings. however, associate bacteriophage sensitivity with the possession of a par-

The Salmonella group was chosen for this work because its major ticular somatic antigen. antigens are well known and because the general methods for Salmonella typing could be followed with but slight modification. Members of Groups B and D were first chosen and used in the early tests for determining cost and used in the early tests in determining optimal conditions for detecting antibody and antigen in macroscopic agglutination tests, but discussion of the problem with property. P. R. Edwards resulted in the adoption of Group E species for use in the body of the work. the body of the work. The bacterial cultures were obtained from Dr. P. R. Edwards of the Agricultural Experiment Station of the University of Kentucky, and from Major G. F. Luippold and Miss Margaret Coates of the Army Medical School.

Cultures were transplanted bimonthly to Bacto Stock Culture Against a stored at room Applications of the control of the contro and stored at room temperature. At intervals the following procedures were carried out: were carried out: Pampana's trypaflavine test for "roughness"; observations under a dissecting microscope of colony form on veal infusion again microscopic examination; autoagglutinability in various NaCl concentrations; determination trations; determination; autoagglutinability in various NaCl tarypto-phane, nitrates and literation on dextrose, maltose, mannite, tryptophane, nitrates, and litmus milk. Unless otherwise stated a tryptost phosphate broth or agar of pH 7.4-7.6 was used throughout the investigation.

The organisms chosen for the preparation of single factor resting fluids were those suggested in Station Circular 54 of the University of Kentucky Agricultural Expenses Kentucky Agricultural Experiment Station. Rabbits were immunized in duplicate with 24 hours land to the University of th in duplicate with 24-hour broth cultures heat treated by keeping for 2 hours in a boiling water back hours in a boiling water bath, and preserved by the addition of 0.3 per cent formalin. A course of cent formalin. A course of injections was given, one on each of 4 successive days, and a dame of the successive days, and a dame of the successive days, and a dame of the successive days. cessive days, and 5 days after the last injection trial bleedings given: made. If the titers were insufficient additional injections were given;

^{*} A.B. 1912, Trinity College; M.S. 1916, Saint Louis University; Ph.D. conferred No. vember 11, 1947.

otherwise, the rabbits were bled and the serums were preserved with I-10,000 merthiolate and stored at 4°C.

In the agglutination tests, two-fold dilutions of serum were made in 0.3 per cent formalized physiological salt solution; the antigens were prepared as for the injections and diluted to uniform turbidity. Tests were incubated at 50°C. for 2 hours, and were read with the unaided eye after a further period at room temperature. In the adsorption tests, the methods outlined in Station Circular 54 were adhered to except that the adsorbing suspensions were standardized.

The source of the bacteriophage was a raw sewage sample from the Sewage Pumping Station in Washington, D. C. It was filtered through cotton and then through #01 and 03 Selas' bacteriological filters. Bacteriophage titrations were made according to the method of Levine and Frisch. Titrations were read at intervals during the first 5 hours of incubation at 37°C., then once again after overnight incubation at room temperature.

Alcoholized antigens prepared according to the method of White were at first used in conjunction with the heat-treated ones, but their use failed to give consistent information about the organisms or the serums.

Single factor testing fluids were prepared for all antigens of diagnostic importance which occur in Group E. During this process it was found that one Group E strain, S. meleagridis 156, behaved in an anomalous fashion. When tested in some whole serums against S. anatum and S. newington, the two type strains of the group as far as the somatic antigens are concerned, S. meleagridis was agglutinated to very low titer, whereas all other cultures were agglutinated in relatively high titer. (S. illinois was agglutinated poorly also, but this is explainable by the fact that this species may sometimes lack major factors.)

Because of this interesting and unexplained behavior of S. meleagridis, the strain was used to immunize rabbits. Both animals responded promptly with the production of high titered antiserums. Titers for heterologous strains were low.

Though sewage filtrates in 10⁻¹ dilution showed slight activity against a number of Salmonella strains, lysis appeared to be transmissable on second passage for S. newington only. The titer for this strain was stabilized at 10⁻⁴ after 2 additional passages. At this point the activity of the lytic principle was determined for other strains of the S. newington group and for S. meleagridis. S. cambridge and S. illinois were not affected; all other strains tested showed varying degrees of susceptibility. Because of the peculiar nature of S. meleagridis, the filtrate was now passed 3 times at the expense of S. meleagridis, which procedure raised the titer of the lytic filtrate for the strain from 10⁻² to 10⁻¹⁰. The titer groups ranged from 10⁻⁴ to 10⁻⁴. S. cambridge alone remained completely

resistant. S. cambridge had previously been shown to have some of the

characteristics associated with "roughness". Resistant strains of S. meleagridis were obtained by cultivating the secondary growth from tubes representing 10-1 to 10-6 dilutions of active principle. The colonies so obtained fell into two groups, corresponding to the two groups noted by Bronfenbrenner and Korb for S. typhi-murium. One group was characterized by relatively large colonies, uniform cellular morphology, motility, complete resistance to the bacteriophage, low titers with S. meleagridis antiserum, and a negative trypaflavine test for "roughness". The second group on the other hand. was characterized by small colonies (often giving rise to both large and small colonies on further cultivation, however), pleomorphism, lack of motility, gradual return of sensitivity to the bacteriophage, high titers with S. meleagridis antiserum, and positive trypaflavine tube tests.

One strain was chosen from each group for the immunization of rabbits. The completely resistant group was represented by strain 1L1 and the relatively sensitive group by strain 4S1. Antiserum for 1L1 reacted not at all with S. meleagridis, and to a titer of only 1-160 with 4S1: with S. anatum and S. newington it reacted to homologous titer (1-1280). Antiserum for 4S1 had a titer of 1-2560 for 4S1, 1-160 for S. meleagridis (parent strain), and approximately 1-160 with 1L1, S.

anatum and S. newington.

The type strains of Group E (S. anatum and S. newington), the S. meleagridis parent and derived strains, and some other members of the group were tested with single factor serums. 1L1, the derived strain of S. melegazidie which of S. meleagridis which was completely resistant, possessed the full complement of sometimes. plement of somatic factors characteristic of the type strain. The parent strain, however, failed to react in the single factor serums. The temporarily resistant are in the single factor serums. porarily resistant strain, which was slightly autoagglutinable, reacted weakly. Other strain, weakly. Other strains of Group E tested gave the expected reactions.

Dependability of testing fluids was checked by use of adsorbed serums currently employed by another laboratory in the typing of Salmonella cultures. The results another laboratory in the typing of Salmonella cultures. cultures. The results were identical. Later, however, the three meleagridic strains were identical. meleagridis strains were sent to a third laboratory for further checking. Here it was found that the parent culture as well as the completely the sistant strains reacted normally in the adsorbed serums, whereas the temporarily resistant strain again reacted only weakly.

Reciprocal adsorptions of the serums against the two type strains and the parent and derived strains of S. meleagridis were carried out. It was found that although S. meleagridis were carried were strains were scarcely applicated by S. scarcely agglutinated by S. anatum, S. newington, or S. meleagridis 1L1 antiserums they reduced the antiserums they reduced the titers of these serums for their homologous strains considerable. strains considerably. Adsorptions of antiserums for S. meleagridis parent and 4SI strains wish S. and 4S1 strains with S. anatum, S. newington, or S. meleagridis 1L1, however, left the serums with titers essentially unchanged. The parent and 4S1 strains of S. meleagridis each reciprocally reduced considerably or entirely the homologous titer of the antiserum against the other.

Four additional strains of S. meleagridis were obtained from the Army Medical School. One of these strains was inagglutinable in any serum. Its colony form was somewhat rough and it gave a positive tube test for "roughness" by Pampana's method. The other three strains were agglutinated to low titer by S. meleagridis parent and 4S1 serums and to homologous titer (1-1280) by S. anatum and S. meleagridis IL1 serums. When these three strains were used to adsorb antiserum prepared against the parent strain of S. meleagridis (156), they reduced its homologous titer only slightly if at all. The homologous titer of anti-4S1 serum however was reduced to titers ranging from 1-40 to 1-320. Adsorptions of 1L1 serum resulted in removal in all or almost all of its homologous agglutinins.

Two rough Salmonella strains from other groups were inagglutinable in any serum, and on adsorption the one which was tested failed to

reduce the homologous titer of S. meleagridis 156 antiserum. The same 4 S. meleagridis strains were tested for susceptability to a stored sample of the bacteriophage used to obtain the variants. The rough strain was completely resistant. The other 3 strains were susceptible, but somewhat less so than either S. meleagridis or S. newington at this time. Other strains of Group E tested were non-susceptible to 10-1 dilutions of the lytic principle.

Explaining these results in the light of the framework or alternation hypothesis of antigen-antibody reaction, it would seem that the 156 strain of antigen-antibody reaction, it would seem that the 156 strain of S. meleagridis possesses a hitherto unrecognized factor "x", which so dominates the bacterial surface that the somatic factors associated with the species are partially or completely inactive. That factor "x" may consist of more than one antigen is shown by the fact that 4Si serum can be completely exhausted of agglutinins by the parent strain, but adsorption of serum against the parent strain with 4S1 fails to exhaust it of homologous agglutinins.

The possibility that both the parent strain and 4Sr represent varying degrees of roughness was considered. 4SI had a tendency towards autoagglutination and gave a positive trypaflavine test. The antiserums prepared against these organisms, however, do not show the wide reactivity of "rough" antiserums. The 156 strain shows the cultural characteries: characteristics of smooth strains to perhaps a greater extent than many of the organisms which reacted typically in single factor testing fluids. Furthermore, a bacteriophage active on one rough strain is usually active on all touch. on all rough strains, but of all the known rough strains tested none was susceptible.

susceptible to the bacteriophage active on strain 156 of S. meleagridis.

As a result the bacteriophage active on strain 156 of S. meleagridis. As a result of these studies the following facts emerge: (1) S. meleagridis 156 possesses a new somatic factor "x" hitherto unrecognized in Group E; (2) bacteriophage susceptibility in this instance is associated with the presence of factor "x"; (3) factor "x" offered steric hindrance to the expression of the factors usually attributed to S. meleagridis; (4) when factor "x" is removed by the action, selective or otherwise, of bacteriophage the factors of the type strains become dominant. The above facts show that the acquisition of bacterial resistance to the lytic principle may involve antigenic changes or rearrangements which do not come under the heading of S-R or R-S variation. It is suggested that the use of bacteriophage may give a clue to the identity of strains not readily typed.

SIX TRAGEDIES OF AARON HILL

by FIELDING DILLARD RUSSELL.

Between 1709 and his death in 1750 Aaron Hill wrote ten tragedies all of which were produced, a record unequalled by any other tragic dramatist of the period. Six of these plays, all but his Voltairean adaptations, are the concern of the present study. In these, as in perhaps those of no other dramatist of the period, are revealed the typical influences and practices of the time. Among them are to be found the continuation of the native tradition—adaptations of Shakespeare and Massinger, Elizabethan domestic tragedy, and the heroics and pathos of the Restoration. Running through them all is a certain adherence to the pseudo-classical dicta. The modus operandi of the present dissertation is in the case of each play to trace in detail matters relating

to its inception, stage production, and publication. Hill's first tragedy was Elfrid: or, The Fair Inconstant (1709), which he composed in a week. The plot is restricted, the dramatic time being no longer than that of the stage representation. Sent by King Edgar to determine if the fair Elfrid is worthy to become his queen, Athelwold falsely demeans her beauty and marries her himself. When Edgar pays the couple a surprise visit, Athelwold confesses his deceit to Elfrid and persuades her to remain in seclusion, allowing her sister, the less attractive Ordelia, to impersonate her during the King's visit. Athelwold's plan goes awry when Egbert, the villain of the piece, discloses the subterfuge, and Elfrid, more ambitious than faithful, shows herself to the E. to the King. Determined to have Elfrid, Edgar sends Athelwold on a journey. Athelwold departs but is warned to return by the ghost of his father. Surprising the King as he comes from Elfrid's bedroom, Athelwold attacks him. When Elfrid appears, he kills her but in turn is run the is run through by the King. Both men are reconciled before Athelwold dies, and the King closes the play with a warning to those who tread

Elfrid went through six performances and appeared in two editions, one in 1710, the other in 1760 in the collected edition of Hill's dramatic works. Textual changes in the second edition indicate that Hill began a revision either for a new performance or a new edition, but gave these over and turned to the writing of Athelwold, his later tragedy on

In writing Elfrid, Hill followed two dramas of the Restoration, the King Edgar and Alfreda of Edward Ravenscroft and the Edgar: or, The English Monarch of Thomas Rymer. His arrangement of the story and its dramatic structure are similar, but that he was not a A.B. 1939, A.M. 1930, University of Georgia; Ph.D. conferred November 11, 1947.

slavish adapter is seen in his disregarding certain of the elements of these earlier plays and adding his own innovations. Without displaying an absolute indebtedness to any one drama, Elfrid also reveals the influence of the heroic and pathetic traditions as these are found in the plays of Otway, Banks, and Rowe. Though not strong, echoes of the Shakespearean are caught in Elfrid. In fusing these diverse elements within a pseudo-classical structure Hill has created, if not a noteworthy

drama, a typical Augustan tragedy.

In 1731 Hill produced Athelwold, a tragedy founded on the same story as that in Elfrid. Yet the plot of Athelwold is entirely different and vastly more complicated. In marrying Elfrid, Athelwold not only inda, whom he has seduced before the play opens and to whom he has vowed his love. More noble than in the earlier play, Edgar does not cuckold Athelwold, although he does attempt to force him to give up Elfrid. This character, too, is more virtuous, rejecting the King's advances and vowing to enter a convent when he would have Athelwold renounce her. The action is resolved when Athelwold and Ethelinda kill themselves.

Athelwold was performed three times and went through five editions between 1731 and 1760, one of these appearing in Dublin. The essential importance of Athelwold, however, lies not in the number of its performances or editions but in the records surrounding its genesis and production. From the letters of Hill and a few of his contemporaries, notably Pope, Thomson, Mallet, Wilks, and Booth, one is able to construct almost struct almost a day by day history of Athelwold from its composition down through its production and publication. In this record one is able not only to follow Hill at work on this particular play but also to observe most of all serve most of the problems which beset a typical eighteenth-century dramatist in his atempts to bring a tragedy upon the stage.

For his primary source material for Athelwold, Hill once more turned to the plays of Ravenscroft and Rymer. Although still not a service adapter be done adapter, he does move toward a closer conformity to their plays in both structure and treatment. In addition to the influence of Ravenscroft, and Rymer, Athelwold continues the use of the heroic and pathetic, with probably the influence with probably the influence of Rowe being dominant. Only dim rening injectores of Shall

Possibly representing an over-all improvement over Elfrid, Athelwold iniscences of Shakespeare are to be discerned. still cannot be called a good tragedy. After some twenty years as a dramatist and man of the dramatist and man of the theater, Hill is still groping, it seems, for the knows not what he knows not what. Overlooking his opportunity to develop to the full the dual personalise by the dual the dual personality he has but dimly sketched in the character of Athel-wold, Hill has tried to wold. Hill has tried to combine and tie together too many diverse elements and has over the line of the combine and the together too many incidents. elements and has over-complicated his action with too many incidents. Though he deserves some credit for his efforts to costume the play properly, his Athelwold, neither better nor worse than the general run of eighteenth-century tragedy, was hardly good enough to meet the overwhelming competition of the lighter forms of dramatic entertain-

Predominantly heroic is The Fatal Vision: or, The Fall of Siam (1716). The plot is dizzingly complicated. Years before the play opens, Uncham, Emperor of China, has been told in a vision that his queen Caimantha, who has already borne him two sons and is now pregnant, will bear a son who will kill his father and mount the throne. To forestall this doom Uncham has decreed the banishment of Caimantha to an uninhabited island. The action of the play, however, fulfills the vision and Uncham dies for his crimes of rage, rashness, and superstition. Startling disguises and revelations motivate the dénouement. Selim, a eunuch and closest adviser to Uncham, turns out to be the supposedly long absent Caimantha. Orontes, a captive Siamese general, appears in the end as the third son. He does not kill his father but is indirectly the cause of his death. In an attempt to save the lives of his two brothers who stand suspected as the intended murderers of their father, Orontes releases captive Siamese soldiers, who, attacking the royal Palace, kill Uncham. Uncham dies acknowledging the justice of heaven,

and Orontes and Ipanthe, captive princess of Siam, mount the throne. Seven performances constitute the stage history of The Fatal Vision, which saw publication in two editions, the first of 1716 and a second in the collaboration in two editions, the first of 1716 and a second in the collected dramatic works. The dedication of the printed play is one of the most unusual ever written. At a time when writers and critics were continually at war, Hill blandly dedicated his play to the critics Dennis and Gildon. And for his remarks on acting and staging, expressed in the dedication, he has been accorded the honor of being a pioneer in the improvement of dramaturgy.

The chief influences upon The Fatal Vision are the heroic dramas of the Oriental type and the accounts of voyages and travels. The pathetic, though weaker than in Hill's other tragedies, is employed. In treating the them the theme of rage and rashness, Hill may have glanced at Shakespeare's Lear. Astonishingly enough he makes his markedly heroic play conform to a rather rigid pseudo-classical structure.

Not a great drama. The Fatal Vision nevertheless possesses certain characteristics which make it distinctive. Its dedication is certainly unusual its dedication is dedication. usual, its attempt to build a predominantly heroic action on a strictly pseudo-classical structure is notable, and its complicated plot is worth at least a smile. No more than a reasonably able specimen of eighteenthcentury tragedy, its author deserves some recognition for his efforts with its decoration, both with regard to dresses and scenes, and his attempts to see that its cast effected a more natural manner of acting. Of additional interest, too, is its allusion in the epilogue to the rivalry between Drury Lane and Lincoln's Inn Fields and a probable indication in play of the fact that Hill in writing his drama was attempting to better Addison's Cato.

The Fatal Extravagance (1721), important as a domestic tragedy and for its use of a contemporary setting, poses a question of authorship Evidence afforded in the printed play points to Joseph Mitchell as the author, with Hill as an acknowledged contributor or collaborator. Other reliable contemporary testimony, however, asserts that Hill wrote the play and presented it to Mitchell. Apparently misappraising this testimony, two recent with the mony two recent with the mony, two recent writers attempt to strengthen Mitchell's hand in the

play, but do not deny Hill a part as collaborator.

In one act and with but four characters supporting the action. Fatal Extravagance is about as well constructed a drama as the cients eenth century has to offer. Its plot is compact, the story simply told. Bellmour, having wasted his fortune in gaming and speculation, dream the poverty faving his facility the poverty facing his family and becomes distracted when he hears that his friend Woodly with his friend Woodly, who is surety on his defaulted bond held by Bargrave, the usurer, has been dispossessed of his home and carried to prison. When Bargraye accounts When Bargrave arrives at Bellmour's house, Courtney, uncle of Bellmour's wife Louise has at half mour's wife Louisa, barricades the door and offers to hold him at he man until Bellmour can effect his escape. Instead, Bellmour, hoping he man win some compagnion for the win some compassion for Woodly, agrees to a parley with Bargrand. Finding the usurer adamant, he provokes him to draw and kills him.

Then, taking the bond (Then, taking the bond from Bargrave's pocket, he requests Courtney to deliver it to Woodley. deliver it to Woodly. Faced with the murder of Bargrave, Bellment decides to kill himself decides to kill himself and family. When his wife and children, of stage, have apparently decides to the stage of the stag stage, have apparently drunk the poisoned cordial he has prepared for them, Bellmour calls I arise them, Bellmour calls Louisa in, tells her it was poisoned and stabs him self. We learn from Court in tells her it was poisoned and stabs the We learn from Courtney, however, that he has discovered the cordial and substituted a harmless drink. Bellmour, before he dies is made happy through the formula for hy a made happy through the fact that his family will be cared for by a

The principal source of The Fatal Extravagance is A yorkshirt ragedy, the Elizabethan Tragedy, the Elizabethan domestic tragedy which Hill and his contemporaries ascribed to St. temporaries ascribed to Shakespeare. Close comparison of the two plats reveals that far more than the prefact reveals that far more than the hint of the story confessed in the prejuct to the play has been contain to the play has been contributed by the earlier drama. The plot, characters, incidents, and distances acters, incidents, and dialogue, some passages of which appear almost word for word, are closely word for word, are closely employed. There are also discernible in The Fatal Extravagance. The Fatal Extravagance some of the same ideas which Hill makes The of in The Fatal Vision, especially in the matter of moral purpose, pathetic tradition is in evidence, with Rowe's words on the use of damestic themes (in the prediction) tic themes (in the prologue to The Fair Penitent) being practically repeated in Hill's prologue. If the influence of Shakespeare is at all recognizable, it is to be found in a soliloquy of Bellmour which may have been inspired by Hamlet's famous one.

With The Fatal Extravagance Hill made his most substantial contribution to English drama. Today he is recognized as a forerunner of Lillo in his contribution to the development of the later Schicksalstragodie. Some influence of his play is to be found in Lillo's The London Merchant and Edward Moore's The Gamester. Francis Waldton's The Prodigal, except for its title and happy ending, is The Fatal

Extravagance practically unchanged.

Henry the Fifth: or, The Conquest of France by the English, Hill's adaptation of Shakespeare, appeared in 1723. In his preface Hill avers that his play is a new fabric but acknowledges that he has built on Shakespeare's foundation. Having cut the length of the original by more than a half through the elimination of all comic scenes and characters, condensed, transposed, and reassigned incidents and lines at will, curtailed both time and place, and, finally, having added one or two innovations, Hill no doubt felt justified in saying that the fabric of his play was new. Yet with all these changes the reader is still able to rec-Ognize Shakespeare's foundation. The play opens before Harfleur where Henry, after a council in which he decides he has a right to the French throne, receives and dismisses a French embassy who bring an insulting message and gift of tennis balls from the Dauphin, and goes off to receive the capitulation of Harfleur. In his absence the traitors Scroop, Grey, and Cambridge, their number augmented by the addition of Harriet, abandoned mistress of the King, meet and plot the death of Henry. Princess Katherine, though in a heroic rage over the rumor that her father plans to win Henry to terms by offering her in marriage, is yet too noble minded to join the Dauphin and Harriet in the plot against the English King. The two kings meet at a peace conference at which Katherine identifies Henry as the Owen Tudor, who, some years before, had visited the French court and for whom she had formed a secret love. Lest this discovery frustrate his plans to engage Henry in battle, the Dauphin provokes him to anger, and both sides prepare for war. With information which he owes to Katherine, Henry discovers the plot against his life. Harriet—throughout the whole play she is in man's dress is brought before him as one of the traitors. In a long scene between them Harriet reveals herself, and Henry so touchingly expresses his remorse over his treatment of her that she identifies the other traitors and stabs herself. Henry condemns the traitors to execution and has an opportunity to thank Katherine for saving his life. At the Battle of Agincourt, which follows, the English rout the French, and the play ends with the Dauphin's acceptance of Henry's earlier demands and the offer of Katherine, whom Henry joyfully receives.

Henry the Fifth was performed six times and went through as many editions. Four of these appeared in London, the first of 1723 being followed by the second in 1746, another in 1760 in the collected dramatic works, and a designated third edition of 1765. Of the two other editions, one appeared in Dublin in 1724, the other in Edinburgh in 1759.

The extant records pertaining to the production of Henry the Fifth though not quite so extensive, are equally as valuable as those pertaining to Athelwold. It was with this play that Hill hoped to establish his own company at the Little Theatre in the Haymarket. Being thwarted in this effort, he persuaded Drury Lane to produce it, probably because in this effort, he persuaded Drury Lane to produce it, probably because the was willing to give the profits to the managers and spend two hundred pounds for new scenes. One of the most interesting incidents found in the periodicals, was a minor literary war occasioned by the production of the play, the partisans of Hill extolling the play beause Henry the Fifth, and the defenders of the Elizabethan, zealous in Shakespeare's defense, yet at times guilty of censuring some of lines because they mistook them for Hill's. Even Hill wrote a letter to one of the periodicals in defense of his play, though it was never published.

In adapting his play Hill did not restrict himself to Shakespeare's In Henry the Fifth but borrowed lines and ideas from several others. In addition to his dependence upon Shakespeare, Hill seems to have taken his idea of using Owen Tudor from Orrery's Henry the Fifth and from the same play, to have shaped the tone of some of his dialogue. his Harriet-Henry episode he turns to the pathetic of Otway and Rowe, exhaps at The Fifth B.

echoes of The Fair Penitent being especially noticeable.

Though equaling the average run of a new tragedy in the eighteenth century, the six-day performance of Henry the Fifth hardly compensated. Hill for his labor, his expenditure of money, or the criticism received. To the student of eighteenth-century tragedy, however, his efforts, comdoubly significant because he is here working with Shakespeare, comprise a valuable testimony to the trials and tribulations of the tragic dramatist in a period when tragedy received but little honor.

In 1746, three years before his death, Hill composed his last play, The Insolvent: or, Filial Piety, for Theophilus Cibber, who did not produce or publish it until 1758, at which time it was presented one performance. Two later editions appeared, one in the collected dramatic works in 1760 and the other in Dublin the same year. Essentially an alteration of The Fatal Dowry, The Insolvent does not derive directly from Massinger's play but indirectly from a lost manuscript play The Guilless Adultress, itself an adaptation of The Fatal Dowry, and ascribed to Sir William Davenant, though, it seems, erroneously. Hill, so far as is known, never realized that he was using one of Massinger's plays. The plot of The Insolvent, however, leaves no doubt.

as to its original source. Touched by the filjal piety of Count Chalons, Valdore, retiring President of the Court of Burgundy, discharges all the young man's debts and effects the release of the hot-headed La Foy, the bosom friend of Chalons. When Valdore places all his wealth at the disposal of Chalons and gives him his daughter Amelia in marriage, Chalons' joy and gratitude know no bounds. This happy state, however, is soon disrupted. Convinced by La Foy that his wife is unfaithful. Chalons feigns a journey in order that he may secretly return and surprise her with her lover, Young Aumele. He discovers Young Aumele with Amelia and kills him, locking Amelia in her room to await the judgment of her father. When Amelia is released, it is discovered that she has stabbed herself and is apparently dying. In the scene which follows, her innocence is completely vindicated, and the doctor who has arrived in the meantime says that she will recover from her wound.

Although The Fatal Dowry is the basis of The Insolvent, there are evidences enough in the play of the influence of other sources, especially adaptation of Otway and The Fair Penitent of Rowe, an earlier always be distinguished from those of the adapter-author of The Guiltless Adultress, but we have his word that he rewrote the whole of the manuscript of

manuscript play and made the last act entirely his.

When all is said, The Insolvent is still but a poor adaptation of a far better seventeenth-century tragedy. The Fatal Dowry possesses genuine tragic elements which are motivated to a really tragic conclusion. In Hill's play these appear forced and superficial, and expectation is wrenched by the happy ending. No genuine tragedy, in fact, is apparent in the whole play, only a near-tragedy which, dependent upon an artificial displays that uncertainty of purpose so characteristic of the tragic dramatists of his are.

That Aaron Hill was not a great dramatist, the present study makes clear. Yet in his plays and the records relative to their composition, production, and publication, one is able to follow, often closely and half of the eighteenth century. Hill, moreover, deserves some remembrance beyond that accorded his plays as such. For all of his flaws but admire his abiding interest in and zeal for the theater. His efforts few who earnestly tried to forward these matters in the eighteenth century,

GEORGE POWELL: PLAYWRIGHT-ACTOR

by KATHRYN MARGUERITE PAINTER WARD .

The span of George Powell's life, from 1658 to 1714, wrought momentous political, philosophical, and social changes, but it seems highly doubtful that George Powell had more than a casual interest in them. He knew little beyond the playhouse in Drury Lane and the tempests that raged in the world of the theater. Unfortunately, it is possible only to speculate about Powell's early years. Others by the name of Powell are mentioend on the programs of Killigrew's actors, but it was not until April 1687, after the union of the Duke's company with the King's players, that George Powell first stepped on the stage of documented theater. The production was a tragi-comedy, The Island princess: or, The Generous Portugals, as Tate had altered it from Fletcher. The play was diverting enough to win the patronage of James II, and it is possible that Powell in his part of few lines and no importance later appeared before the King and Queen.

Within a few weeks he appeared in a new play, a farce. As Don Cinthio "Young Mr. Powell" played the title role in Aphra Behn's The Emperor of the Moon. The play found its way to Whitehall and a troubled court in December 1687. Affairs of state, however, did not press so heavily upon the King that he forgot the players, for on July 12, 1687/8, James authorized a fresh troupe of comedians which included

Meanwhile, momentous events were shaking all England. People of George Powell. every rank took alarm at the birth of a Prince of Wales. Ardent patriots who had some and the birth of a Prince of Wales. ots who had seemed to await patiently the death of James were now aroused to open rebellion. A Catholic imposture was suspected in the birth, and William of Orange intervened. The Whig government had no enthusiasm for the playhouse, but the new monarchs continued a show of friendly relations between the Court and the theater. was a member of the band of comedians in ordinary formed by the

In four successive plays, George Powell appeared as an unprincipled rake before his role of Muley Zeydan in Dryden's Don Sebastian. Dryden gave the King in August 1689. den gave the audience what they wanted: a conflict between love and with honor, not confined to the neo-classic rules of unity, but tempered with rant and bombast. Although he soon appeared before the Queen twice more, Powell was not satisfied. At thirty-one he was a good actor, yet so far he had always been forced to play secondary roles. He would write a play see the secondary roles. write a play as the actor Mountfort had done; he would follow the pattern of Dryden's play; he himself would have the leading role.

A.B. 1935, A.M. 1936, The George Washington University; Ph.D. conferred November 1, 1947. 11, 1947.

For his first play, The Treacherous Brothers, Powell turned to Thomas Bayly's Herba Parietis: or The Wall Flower, a heroic romance of 1650. Bayly's elaborate story is told with grace and sprightliness, and George Powell could have done far worse than select the plot as the basis of his first drama.

Powell may well have searched Dryden's preface to Don Sebastian for the formula of his play. The Wall Flower offered him all the elements of the heroic: the confusion of love and jealousy, the tangle of unhappy lovers, the martial tones of the ardent heroes, and the steadfast virtue of the heroines. To all these Bayly had added the complication of incest and a Machiavellian villain. Here were the ingredients that should please the taste of every Restoration playgoer. The part of the prince gave opportunity for an actor to show himself to great advantage. In Mountfort's own drama, the author had played the principal role, whereas Powell had been forced to content himself with a secondary fort was the villain.

With considerably more perspicacity than one might expect from an inexperienced playwright, Powell pared down the work of Bayly to dramatic proportions and encased it all in blank verse that rarely sinks below the heroic demands of the story. From the complicated plot of the novel, Powell chose with a keen eye on staging and dramatic unity and rearranged the relationship of characters to involve directly all the principals in a single episode. Thus focused, The Treacherous Brothers was presented at the Theater Royal in Drury Lane, probably in February 1689/90.

Although George Powell did not confess his obligation to Bayly when he committed his "publish't Bawble" to the reader's hands, the debt is obvious in the borrowing of the plot and the utilization of the characters.

In the extravagance and vehemence of its rant, the Treacherous Brothers emulates the turgid bombast of Lee and Otway, of Dryden in cism that "Powell's literary contributions to the drama were such as a appropriated". The conflict of characters is purely external, vet the Semanthe. Genest's opinion that it is "a moderate tragedy" seems just, the house.

A year had passed since his first appeal when George Powell begged a good third day for Alphonso, King of Naples, the second play of his Powell created more of the plot than he borrowed. If, however, the

word is extended to include language and characters, then Powell is heavily in Shirley's debt. The characters he took over whole; the lan-

guage he copied with only insignificant emendations.

The story of Alphonso was certainly suggested to Powell by Shirley's The Young Admiral, a romantic comedy. Although the epilogue to Alphonso admits a borrowed plot, there seems little reason for emphasizing this particular element of construction. As a matter of fact, very little of the actual story of The Young Admiral is found in Powell's tragedy. Furthermore, faint suggestions of As You Like It are to be discovered in the rural wanderings of Cesario and Urania. The sional songs which embellish Powell's work are not in Shirley's tragicomedy; however, Shakespeare often used such songs. By closing his drama with the tragic deaths of the principals, Powell abandoned the Elizabethans, who seemed to prefer happy endings when they laid their scenes in nature. But if Powell did not conform to the earlier of mantic concept of idyllic shepherds, he did accept the characters of Shirley, without properly crediting his source, when he began his "mushroom" scribbling.

Although Powell went far afield in the matter of plot when he adapted Shirley's romantic comedy to the Restoration stage, he stuck remarkably close to The V ably close to The Young Admiral in the matter of language, for which he acknowledged as 11th The Tours of language, for which he acknowledged no debt. Even the most prosaic and least meritorious utterances of Shirley's characters are taken over bodily by the tragic figures of Powell. Shakespeare was apparently the inspiration for some of Powell's lines, for when the younger playwright turned momentarily from the play that was his primary source, he seldom went far on the wings of his owner. wings of his own imagination. Some of the lines are reminiscent of Hamlet. These would Hamlet. These would seem to indicate that Powell either deliberately or subconsciously remembered well the language of Shakespeare.

Both in originality of language and in construction of plot Powell's effort at plan with a plan and a construction of plot powell's first effort at play writing surpassed his second. When he devised a close-knit play for the devised a close close-knit plot from a rambling romance to produce The Treacherant Brothers, he achieved a degree of success which he failed to equal when the abandonal the state of success which he failed to equal The he abandoned the plot of Shirley while keeping to the language of The

March 1091, the approximate date of Bussy D'Ambois, in which he weed the role of the role played the role of villain, marks a hiatus in any chronological account of the life of Coronal P. of the life of George Powell. His activities from the time of his appearance in D'Ustralia pearance in D'Urtey's tragedy to November 1692, when he acted in Shadwell's possible to November 1692, when he acted in Lobbers Shadwell's posthumous comedy The Volunteers: or, The Stock Jobbers have been totally selice to the Stock Jobbers

The winter of 1692-1693 held in store a change for Powell, a movement of events which began in tragedy and ended in personal triumph.

In early December 11 In early December, Mountfort, his only contemporary rival in the theater, was waylaid in the street near his home, attacked, and killed by Lord Mohun and Captain Hill. Within the same month, Mountfort's death was followed by that of Anthony Leigh and John Noakes. Fortunate it was for the theater that George Powell remained to fall heir to Mountfort's parts. In quick succession he was cast in one of Southerne's comedies and in a new comedy by Congreve.

Then, with four or five plays open before him. George Powell sat down to the composition of his first comedy. Dipping in here and there for a character or an episode to his liking, changing a name to suit his fancy, and jumbling scenes in the manner of an acrostic, the dramatist selected and rejected according to a shifting pattern. So, about a month after his appearance in Congreve's successful Old Batchelour, Powell offered A Very Good With

In spite of the author's inept editorial tinkerings, the play was well received by the audience, for George Powell was first a showman and only incidentally a playwright. He was fortunate in being able to assemble a lively cast for his bow at the theater Royal, the leading role being reserved for his own talents.

Sadly lacking in original inspiration, the patchwork farce nonetheless satisfied the audience to which it was directed. Surface bantering with an undercurrent of serious feeling had long since pleased theatergoers. When they legitimately clung together to confound a would-be gallant. And avarice was a crime which Portia had cleverly shown was punishable by ruse. In combining these tested themes, Powell proved an acute approved where they found a scene or character familiar.

If Powell's concoction was in part Shakespeare filtered through his followers, the residue was a palatable mixture not only because he knew he lacked in dialogue and character, he made up for in staging. He set gregate. He guided his actors on and off in rapid and logical procession, and for she

sion, and for the most part he kept them in almost incessant action.

Thus, in spite of his "barbarous Rape" on five comedies to produce his own, in spite of his altering "for the worse, rather than for the Good Wife.

Powell did please his audience with A Very

The season of 1694, though gaily ushered in, was destined to experience grave vicissitudes before the year was over. The spectre of debt thad shadowed His Majesty's servants at the Theater Royal almost from ominous under Royal patronage; it had led to the union of the two companies in 1682; it caused frequent quarrels between the Patentees and

the actors; and it finally burst into a tempest in December 1694, when Thomas Betterton laid the actors' lengthy petition before the Earl of Dorset. The petitioners declared they were "noe longer able to suffer & Support themselves" and asked to have a day for hearing the complaints appointed. Indignantly, the Patentees replied to the charges. The death of Queen Mary, which meant a temporary end to all public entertainment, provided Betterton with the necessary time to press the demands of the actors who had joined him.

For a while the dilemma seemed impossible of solution. Could later authority, puzzled the lawyers, overcome that already granted? Lord Chamberlain's advisers finally answered the question affirmatively: no patent for acting plays, they said, could prevent a succeeding ruler from granting similar patents when he chose. William turned a syntax pathetic ear to his favorite player, Betterton, and on March 25, 1698. granted a license to the mutineers, giving them authority to form a new

In April 1695, George Powell threw down the glove to the veteral company. rivals by speaking the new prologue to Abdelazer: or the Moor's Revenge. In the weeks that followed Powell gradually assumed command of the actors under Rich of the Drury Lane house. But despite the industry of the yourself the industry of the younger players, they were soon overshadowed by the opening of the Lincoln's Inn Fields theater on April 30, with Congress Love for Love.

For months the battle raged, with each group trying to outdo its rival. Tricks, secret strategy, appeals to the spectators for support revival of old popular roles—all were tried by Powell. Then, in September of these roles—all were tried by Powell. tember of 1695, when the battle was at its fiercest, George stepped on the stage of To stepped on the stage of Drury Lane to speak the challenging produced he had written to his Bonduca, which had been revised and produced within the brief constitution of the brief constitution

within the brief span of two weeks.

Luckily enough, Powell's choice led him to Beaumont and Fletcher's Bonduca, for the tragedy provided a noble role, and besides it presented Henry Purcell an opportunity to exhibit his flair for adding catchy tunes to contemporary tunes to contemporary drama, all the rage with London playgoers. New preface admitted "several alterations, besides the two First Acts Writ" but the Writ", but the confession fell short of accuracy. Alterations there were aplenty but the were aplenty, but they were largely verbal and consisted merely of modernizing and forcing the original words to conform to contemporary idiom. Powell had snipped away from the older tragedy until only a small part of the altered to fit the smaller stature of the Restoration audience, and the style, to conform to the current fashion. But the new model was newly ornamented; it had constant to the current fashion. ornamented: it had airs which the playgoers could hum as they left the theater; it had are the theater; it had an epilogue that they could repeat at the Rose Tavern; it had, above all, a bold prologue that very much needed answering. As the summer of 1696 overtook the players, George Powell closed the season with The Cornish Comedy. When he produced the play, he overlooked nothing in his bid for public approval. Knowing public taste full well, he turned to music and dancing as the proper accompaniment of drama.

Although the method of adaptation in Bonduca is so strikingly like the method Powell employed earlier that the tragedy seems justifiably ascribed to the actor, The Cornish Comedy bears no affinity to the typical Powell system. The art of his four earlier plays was predatory; The Cornish Comedy was original in plot and language. If the characters of the chara acters of the comedy seem familiar, the marks of resemblance are to characteristics of a class rather than to a particular prototype. The

playwright was more than a casual scholar.

In the comedy, there is a lightness of touch especially remarkable in the subtlety of suggestive innuendo and a thoroughgoing knowledge of dramatic tradition. But, above everything, The Cornish Comedy, while belonging to its own period, demonstrates the vigor of the Restoration stage. Despite the not inconsiderable merits of the play, it has won little recognition. Marked by an exuberance of animal spirits and a competence of language, the play is essentially an original work. And though the author would appear to be a man of greater resources and imagination than George Powell, a man of native wit and good-natured humor, who gently poked fun at the hypocrisy of false taste in his preface while he slyly made his point in the play itself, the director of the Drury Lane players made a generous contribution to the success of the comedy. Powell's strong point lay in his intimate knowledge of stagecraft, and no matter how clever the writing, it remained for the actor-manager to translate the author's words into action, to set the swift and irresistible tempo of the comedy.

Although John Verbruggen added his name to that of George Powell in the dedication, where a nameless parent is admitted, not even what appears to be a deliberate attempt at confusion could obliterate the trail which leads unmistakably to the doorstep of George Powell as the author of Brutus of Alba. The acknowledged writer of A Very Good Wife was again busy with his seissors and paste pot, and in October 1696, he brought forth a new offering at Dorset Garden. The new production with music by Daniel Purcell took the form of an opera, a term losely applied in the Restoration period to any play lavish in scenery, machines, singing, and dancing.

From the shelves which housed "the choicest Productions of Nature improv'd by Art" Powell selected illustrious collaborators for his new endeavor: Tate, Massinger, Dryden. As for scenery and decoration, Powell now had at his disposal at Dorset Garden theater all the costly decorations and sets which Betterton had used earlier in the Dryden opera, Albion and Albanius. In addition to these trappings, he manage to contrive a cloud that rose out of the earth to deposit on its ascent a giant wind-mill which, after dancing country folk had issued from it turned into a fearsome witch. From the witch came dancing devils who cavorted with the witch and then sank with her back into the earth. Furthermore, by far the most pretentious cast that Powell had ever marshalled was divided into actors, singers, and airy spirits.

Despite all his borrowings, George Powell achieved a total effect that was not lacking in harmony. True, a dissonant note is sounded in the characters of Line in the characters of Hersius and Spungias, whose presence in seventeenth century romantic opera seems to violate all rules for the genre, The their voices are not sufficiently persistent to result in cacophony. playgoers' desire for spectacle was satisfied, and while the action fails to move by its words to move by its words, it achieves momentum by the never-failing resources of its author in the arrangement and general handling of effective scenes. Momentarily tive scenes. Momentarily popular, Brutus of Alba soon died of its of parells encumbrances. Today, it must take its place among George Powells

happiest achievements, a mummified curiosity.

Not only was there the feud between George Powell's group and the rivals at Lincoln's Inn Fields but also, shortly after the production of Brutus of Alba Coard Brutus of Alba, George Powell broke with Colley Cibber. was widened and made public by a series of verbal attacks. In fact and insulting words flew; actors and playwrights took sides. so popular did backstage revelations become, that the anonymous who provided Esmela W. who provided Female Wits: or the Triumvirate of Poets at Rehearsh was so hold as to point all was so bold as to point the satire directly at actors and authors. all its broad comedy and all its broad comedy and caustic satire, Female Wits is the most valuable single document. closest to painting a full-length portrait for which the subject himselves was the model and to which the was the model and to which he gave his personal approval. plication tall and handsome, tactful and charming, Powell remained nevertheless, dignified tall nevertheless, dignified, tolerant, good-humored. Such a player, attention and elusive, careless of life and automated. and elusive, careless of life and reasonably drunken, women in and and of the company found acceptance.

The author of Female Wits amusingly satirized Powell's rantingly. Both The Taylor and Spirit style. Both The Tatler and The Spectator had criticized him for orbe acting, for excessive heat of performance. George Powell cannot be blamed for the taste of his relief blamed for the taste of his audience, and in a letter of his to Spectator, the actor suggests that he himself saw the folly of noise and bombast as a means of expression

Although Powell was quick to the fray when he believed his personal to grity assailed, the tast which dignity assailed, the tact which the writer of Female Wits ascribed to the player is borne out perhaps the writer of Female Wits ascribed to the player is borne out perhaps to the perhaps to the player is borne out perhaps to the perhap the player is borne out, perhaps unwittingly, by Cibber in his account of Powell's handling of the players whom he directed after the division of the company. To rise above sneering disparagements or childish tempers when things were not going well, to give new hope as days dragged into weeks and promises produced no substance, to fire a group to action and keep it merry on an empty stomach—these are feats at which few men have ever succeeded. That George Powell accomplished them marks him as a man of exceptional charm and abounding energy; a man, moreover, with resources of wit and good nature, who dared to laugh in the face of fortune.

In September 1697, George Powell opened the Drury Lane house to present Imposture Defeated: or, a Trick to Cheat the Devil, a comedy of his own contriving. Again Powell appeared to be up to his old tricks, but this time he stood accused of borrowing from a new play, not yet produced; and its author, Mrs. Pix, was loud in her protests. However, a controlling part of his comedy, suggested in the subtitle, "A plot to Cheat the Devil", has never been traced to another source. The plot involving Bondi, it must be admitted, is cousin-german to Mrs. Pix' Deceiver Deceived, which saw the light in the rival playhouse three months after the production of Powell's play.

In the preface, Powell vigorously denied plagiarism, stoutly maintaining of Bondi that he "had that hint from a Novel." A careful had a common source than that one was modeled upon the other. Both plots would appear to have an ancestor in Chaucer's Merchant's Tale, and it seems only just to admit the probability of a seventeenth century powell's insistence upon his innocence.

Imposture Defeated, unlike his previous efforts, reveals not a single line as borrowed. Powell's language is tough and sinuous, well suited Mrs. Pix is but to increase the value of Powell's offering. Moreover, plays, and, more importantly, the characterizations of the principals. are

Powell's play was not confined to the deception of Bondi. Hernando and his dealings with Artan, suggesting vaguely Marlow's Dr. Faustus, dancing so dear to the theater-goers of the late Restoration period. The cyc. Powell again provided; and of the diverse entertainments he again subtle proportions to achieve harmonious blend. Powell the stage crattsthe fact that he had insisted, "It neither sets up for a Play, nor the

Author for a Poet", Imposture Defeated so accurately mirrored the taste of the audience that it far exceeded the third day for which its

author prayed.

The battle between the houses had begun to languish when Dryden touched off the fuse in the complimentary verses he wrote to accompany Granville's tragedy Heroick Love, which bowed to the playgoers in Lincoln's Inn Fields in 1697. George Powell retaliated with The Fatel

Discovery: or, Love in Ruines.

Its "unknown author" bears a striking resemblance to the acknowledged author of The Treacherous Brothers, both in method and manner. Stylistic tests are of little avail, since Powell writes with a curious neutrality of style that so varies with his inspiration as to make it impossible to attribute to him any specific passages. But Powell's technique of plotting is more nearly distinctive. For his first literary endeavot, he had cast a covetous eye at Bayly's romantic prose novel, The Wall Flower. The last drama sponsored by the actor-playwright was based on a story from The last drama sponsored by the actor-playwright was based on a story from The Heptameron. The earlier work showed the hand of a clever craftsman who knew the secret of heightening dramatic intensity by concentrating a diffuse plot; the later adaptation reveals the same telescopic agility.

More than ten years had elapsed since George Powell's first appear ance on the Drury Lane boards in 1687. Slowly, Powell's star had risen. It had reached its zenith in 1695, at the division of the theaters. Now, in spite of occasional brilliance, it was waning, and a new star was rising to coaching the coaching coa was rising to outshine the glory that was George Powell's-Robert and With him came a record of good acting and returned from Ireland.

For some time Powell was engaged in problems of production as well acting. According the reputation of sobriety. as acting. According to Cibber, jealousy between Wilks and reached a runture reached a rupture, and Powell "cock'd his hat and in his passion walk'd off to the service of the company in Lincoln's Inn Fields". Whatever his reason for leaving, he met with a warm welcome at the drooping house of his former rivals. Here he appeared in a number of plays Shakespeare revivals, other revivals, and occasionally in contemporary plays. His last effort for the house in Lincoln's Inn Fields was probably the role of Lorentz ably the role of Lovewell, which he acted in the single performance of David Cranford's Lovewell, which he acted in the single performance of David Crauford's Love at First Sight, produced in March 1704; for on June 17 he was both and the first Sight, produced in March 1704; for on June 17 he was back at the Drury Lane playhouse, acting Folpone for his own hences. his own benefit performance. Perhaps Powell remained here until the spring of 1705, when he again turned his back on the young actors to join Betterton and his company in the new theater in the Haymarket.
Shifting here and the Shifting here and there, acting role after role in different houses and with different transfer acting role after role in different houses and with different troupes, Powell remained a favorite. Still the versatile actor he had always be actor he had always actor he had always been, George Powell created the part of Portius

in Addison's Cato when it began its long run on April 14, 1713. Against the inevitable Powell struggled on another year, reviving old roles and probably old quarrels, perhaps writing an occasional prologue or epilogue, and gradually sinking further and further into the solace of his bottle. The end came in 1714, and Powell was buried on December 17, in the vault of St. Clement Danes.

As far as he was literary at all, George Powell was only an opportunist who seized upon what he found at hand, whether tragedy or comedy or opera or novel, and shaped it to the satisfaction of his contemporaries. That his plays succeeded was the result of his practical knowledge of the stage, his sureness of touch in timing and arrangement; for Powell showed little of poetic fancy or brilliance of wit. He was an adequate but undistinguished playwright. Something remains, however, to be said for him as an actor. Here, to be sure, he failed to reach she had for him as an actor. reach the eminence from which Betterton surveyed his fellow actors, but the distance which separated Powell from the first player of his age seems infinitesimal compared with that between him and the first playwrights-Dryden and Congreve.

One vainly searches Powell's plays, epilogues, and prologues for any penetrating commentary on life. Yet if a serious and consistent philosophy is lacking in his own writings, his cavalier philosophy is evident the writing of his contemporaries. Every generation singles out its subjects for anecdote. To be among those so distinguished implies, of itself, popularity and prominence. Here, certainly, George Powell succeeded ceeded. Even Cibber, writing condescendingly of his fellow-actor in 1740, was moved to give Rich's high opinion of Powell's influence among the players; Vanbrugh laughed openly in a preface at the antics of the actor; Chetwood, more than thirty years after Powell's death. could still church still chuckle at Bowman's story of "gay Lothario". The Tatler and The Spectator, as well as The Observator and Heraclitus Ridens good humoredly abused or praised George Powell.

If the playwright-actor has left a heritage to the student of the drama in the twentieth century, it lies not alone in his acknowledged impudence as a dramatist nor in his implied arrogance as a player but also in the vital impact of his time. vital impact of his personality upon the theatrical world of his time.

A HISTORY OF TRADE UNIONISM IN LATIN AMERICA (WITH SPECIAL EMPHASIS ON THE POLITICAL ASPECTS)

by SARAH ELIZABETH ROBERTS .

The dissertation is concerned primarily with the political importance of Latin American trade unions. Latin American labor has always been unusually politically-minded. Innumerable instances of labor influences on political (and the stances) ence on politics (or of politics on labor) are therefore to be found to the history of the labor movement in the nineteenth and the early twentieth century in most countries of Latin America. This influence was achieved despite the very low standard of living of the average Latin American worker and his consequent inability to give much financial support to trade unions or to engage in strikes of long duration.

In the majority of the content of

In the majority of nations, however, the political importance of labor seems to have reached a really significant point only in the last few years, and particularly since the beginning of attempts at inter-American labor unity exemplified in such organizations as the Confederación de Obrera Panamericana and the Confederación de Trabajadores de América Latina. The discrete América Latina. The dissertation is therefore concerned primarily with trade union developments, particularly in relation to political events in the last thirty years although previous activities of trade unions are briefly summarized when available material permits.

As a background for the study of trade unionism in selected councies, a study was made of tries, a study was made of former and existing general inter-American labor confederations. The first of these was the Confederación Obrera. Panamericana, created in 1918 at the initiative of the American reation of Labor and Manager and Manag eration of Labor and Mexican labor groups. It never succeeded in attracting affiliates from the more industrialized countries of South America. It was utilized by labor organizations in many of the small Central American Republics, however, to intercede in the political difficulties of those countries. ficulties of those countries. As a result, at times the majority of perresolutions adopted at its conferences dealt with political problems. haps as an inevitable sequence to its political activities, the Confederación came in time to be accorded. ción came in time to be attacked as a political instrument.

The preponderant influence of the Area as a political instrument. ponderant influence of the American Federation of Labor within the organization was seized upon organization was seized upon by communist forces as an excuse to the a tool of the "imperialise" it a tool of the "imperialist" interests of the United States. to hind ganization also lacked one central unifying force or ideology to these labor elements together in a common objective. As a result of these and other factors, the Confederation and other factors, the Confederación had lost most of its importante and influence by 1027.

^{*}A.B. 1931, University of California at Los Angeles; B.S. in L.S. 1932, University Washington; A.M. 1939, The George Washington University; Ph.D. conferred Februs 23, 1948.

Certain other continental labor organizations were frankly political from their inception. The Asociación Continental de los Trabajadores, tor example, was apparently created to propagandize anarchist principles, and the establishment of the Confederación Sindical Latino American leana was first seriously considered at a meeting of Latin American labor representatives in Moscow. Neither group had a very long

The only existing general inter-American labor confederation (as of December 1947) is the Confederación de Trabajadores de América Latina, Established in 1938 at a congress called by the Confederación de Trabajadores de México, it has never failed to include in its conferences discussions of political situations both in Latin America and in countries in other parts of the world which met with its disfavor, and to admpt resolutions on the remedies it thought should be applied. Although for a long time it included among its affiliates labor organizations of all political complexions, its policies and leadership have gradually ally come to be identified as communistic in the minds of many Latin American workers. As a result, a number of its national affiliates have split into two factions and the anti-communist one has withdrawn from the Confederación. These latter factions were planning to join with other anti-Communist labor groups in holding a conference in Lima, peru, in January 1948 for the purpose of forming a new inter-American Jahor Confederation which would have as one of its primary functions Onfederation which would have as one of its principles of the Confederación de Trahair the alleged communistic activities of the Confederación de Labor, Trabajadores de América Latina. The American Federation of Labor, the Aprista-dominated Confederación de Trabajadores del Perú, and the Socialist faction of the Confederación de Trabajadores de Chile played leading roles in the plans for the Lima conference.

At one period in its existence, the Confederación de Trabajadores de Anerica Latina had as members most of the national labor confederations of Latin America. Consequently, even when conditions at home Were unfavorable to political activities, Latin American labor leaders unfavorable to political activities, Latin American in through this Confederación, attained considerable recent orientathrough this Confederación, attained considerable recult of this of this dealing with political problems. Perhaps as one result of this American labor appears to orientation, the political importance of Latin American labor appears to have increased considerably in the past ten years.

A study of this importance reveals that trade unionism in most of the countries of Latin America falls into some one of five political Control of Latin America falls into some one of trade unions in the faction of trade unions in the First, there are unions in certain countries in the control of trade unions in the control of thited States, although with a greater interest in and participation in No effort was made in the dissertation to study trade unionism No effort was made in the dissertation to study trace to discountry as the pattern of developments is sufficiently familiar dizens of the United States. Secondly, there are trade union movements which have come to form the very basis of the state, with labor leaders in important government posts. There is a divergence of opinion over whether Latin American countries in which this situation exists have labor governments or whether, rather, labor is merely a tool, subject to the whiter of the ject to the whims of the state. The latter would appear to be the case.

Thirdly, there are nations which are dependent almost entirely on one industry for their revenue. Often labor organizations in these countries are not financially or numerically strong, but they are nevertheless able to exert considerable influence because even minor unrest in the chief national industry can create political disturbance or even revolutions. Fourthly, there are countries in which labor seems to have no existence independent of the will of the government. When the government sees some benefit to be gained by the encouragement of labor organization. trade unions flourish. When it wishes to reestablish a complete dictatorship, they discourse. ship, they disappear. When such disappearance occurs, they usually manage to maintain some sort of underground existence, more of than not as an adjunct to an equally underground Communist party,

Lastly, there are a few countries which have on their statute books legislation which to all intents and purposes places labor organizations under the control of the state, but where a fairly strong and independent labor movement has nevertheless managed to develop. For each of the last four types of trade unions cited, a case study of an individual

country was included in the dissertation.

As a result of such studies, certain obvious conclusions were reached. It became clear that political activities of trade unions tend more of the lead to a restriction to lead to a restriction on union liberties than to a genuine growth in union strength. The first union strength. The further conclusion was reached that by these very restrictions, which try to suppress worker dissatisfaction by legislations or force instead of by remedying the economic or political conditions which are its cause a political which are its cause, a political and economic climate is created which is favorable to an increase in favorable to an increase in communist influence and strength in Latin America. Even when such a result is not attained, the very imposition of restrictions or use of violations. of restrictions or use of violence tends to impinge on the liberties of the genuinely democratic positions. genuinely democratic portions of the population and to facilitate establishment of dictatorship.

The discussion on trade unionism is followed by ten appendices which contain documents pertinent to the subject of the dissertation. of them were found in only one library in Washington, in only one copy. Most of them were available copy. Most of them were available only in Spanish and were translated by the author for inclusion in the spanish and were translated by the author for inclusion in the spanish and were translated by the author for inclusion in the spanish and were translated by the spanish and the spanish and translated by the spanish and the spanish and translated by the spanish and t by the author for inclusion in the thesis. As the published proceedings of the Confederación Observa De la confederación De la of the Confederación Obrera Panamericana are all available in Fairly lish, only the constitution of that organization was included. complete documentation was given for the Confederación Sindical Latino Americana. First there is the Americana. First, there is the resolution adopted by a group of Latin American workers meeting in Moscow on December 11, 1927, approving the idea of such a Confederación. Then there is the invitation issued to the workers of Latin American countries and to the proletariat in Reneral to attend a conference in Montevideo in May 1929 to form the confederation. The invitation was extended by a group of workers meeting in Montevideo April 6 to 10, 1928. Finally the constitution of the Confederación as finally established is given.

Rather full documentation was also inserted for the Confederación de Trabajadores de América Latina since it was, at the time the dissertation was written, the only existing general labor confederation in Latin America, and since most of the basic documents concerning it are available and since most of the basic documents concerning it are available. able only in Spanish. First there was given the text of the convocation issued by the Confederación de Trabajadores de México inviting the Workers of the Americas to attend a congress for the purpose of forming such a confederation. Then the speech of Vicente Lombardo Toledano at the inaugural session of the conference of September 1938, at which the Confederación de Trabajadores de América Latina was founded, was given in full as containing the best available summary of the stated objectives of the new organization, other than that given in its constitution. The text of the constitution, as modified at the conference in Cali, Colombia, in December 1944 was next included. At this same Cali conference, a very long set of resolutions was adopted setting forth the plans and policies of the Confederación in both the economic and political fields. They constituted really a postwar program for the organization and therefore seemed also worthy of inclusion. The resolutions of the conference held at San José de Costa Rica in December 1946 were translated also because this conference was the first one to be held after the end of the war, and the resolutions reflected many of the problems and difficulties which the postwar era had already brought to the Con-

A document which on the surface seems somewhat extraneous to the subject matter of the thesis formed the final appendix. It was the Bill of Rights for Workers proclaimed by President Juan Domingo Perón of Argentina on February 24, 1947. This Bill is being widely distributed in Latin America and elsewhere in the world by labor attaches attached to Argentine missions abroad. Many of the points it contains are parell. are paralleled in the Argentine-sponsored summary of the Declaration of Philadeled in the Argentine-sponsored summary of the General of Philadelphia which was adopted at the last session of the General Assembly of the United Nations as an annex to its resolution on trade union rights. It seemed therefore that the Bill might have international

In the course of preparing the dissertation, the author read innumerable Spanish able Spanish and Portuguese articles, pamphlets, and books which are not listed in any periodical or book index known to her. Many of them,

ON THE ORIGIN AND RELATIVE ABUNDANCE OF THE ELEMENTS

by RALPH ASHER ALPHER *

I. INTRODUCTION

A theory concerning the origin and relative abundance of the elements is required to explain the following:

1. The existence of naturally radioactive elements demonstrates that at least some of the elements were formed at a finite time in the past. If they had existed for all time, the radioactive species would long since have disappeared, leaving stable disintegration products.

2. A fundamental physical process must have been involved in the formation of the elements, since the correlation observed between the relative abundance of the elements and their atomic weights can hardly be due to chance alone.

Clues to the nature of the process involved have been sought in the actual data on relative abundance. A correlation of large abundance with large binding energies of the particular nuclei has suggested to several investigators that the observed abundances correspond to a thermodynamic equilibrium with respect to binding energy. On the other hand, a correlation of large abundance with small radiative capture cross sections for neutrons, and vice versa, indicates that neutron capture may be the physical process involved. The exposition of a theory in which in which the origin and relative abundance of the elements is correlated with no with neutron capture is the principal purpose of the dissertation.

II. DATA ON THE RELATIVE ABUNDANCE OF NUCLEAR SPECIES

The distribution in relative abundance of the elements appears to be Quite homogeneous throughout the universe. The measured or com-Puted Compositions of the earth, meteorites, and other planets show only a few Points of difference with compositions determined for the various stellar Configurations and uncondensed material throughout the universe, These differences, namely, the relative scarcity of H and the hoble gases on the earth and planets compared to the universe as a whole can whole, can apparently be explained entirely by the mode of formation of the plan apparently be explained entirely by the mode of formation of the planetary system, and do not have to be explained by any theory of the formula of the for of the formation of elements. The recent theory of von Weizsäckert the formation of elements. for the formation of elements. The recent theory of von scarcity of II searcity of H and the noble gases in planetary material.

The most complete published tabulation of the relative abundance of BS 1941 MS 1945. The George Washington University: Ph.D. conferred May 26, 1948.

C. von Weizsäcker, Zeitschrift für Astrophysik 22, 319 (1944).

the elements is due to Goldschmidt.* A revision of these data was recently announced by Brown,† who stated that in his new and as yet unpublished table of abundances the major features of Goldschmidts data are not altered. If one plots the relative abundance of the ments versus atomic weight, the most outstanding feature of the data is seen to be the sharp exponential decrease in abundance with increasing according to the sharp exponential decrease in abundance with increasing the sharp exponential decrease in the sharp exponential d ing atomic weight up to about 100, and the relative constancy in abundance for the heavier about 100 and the relative constancy in abundance for the heavier about 100 and the relative constancy in abundance for the heavier about 100 and the relative constancy in abundance with the constance of ance for the heavier elements.

Close examination of the abundance data indicates that elements of even atomic weight are about ten times as abundant as those of additional weight. atomic weight. Furthermore, nuclei with completed shell structure according to an \alpha-particle model of the nucleus show strong abundance peaks. Finally, one finds strong peaks of abundance for nuclei of the so-called "magic number" variety, i.e., nuclei containing 20 neutrons. 20 protons, 50 neutrons, 50 protons, 82 neutrons, 82 protons, and 130 neutrons. Such puels: neutrons. Such nuclei have been suggested as exhibiting a "completed shell" structure in the face shell" structure in the free particle quantum theory of nuclear structure.

III. Evidence for the Formation of the Elements in the PRESTELLAR STATE OF THE UNIVERSE

Not only does the existence of spontaneously radioactive elements in the nature indicate that the elements were formed at some finite time in the past, but their present relative abundance enables an estimate of the tipe of their formation. Accument of their formation. Assume that the stable and radioactive isotopes of a given element were applied. a given element were equally abundant when formed. (In may compute the time of formation for the formation formation for the formation formation for the formation for the formation formation for the formation formation for the pute the time of formation from the well known law of radioactive decay

$$N(t) = N_0 e^{-\lambda t},$$

where t is taken as the time of formation, N(t) is the present relative abundance, No is the assumed initial relative abundance, and \(\lambda\) is the decay constant. Computation decay constant. Computations using Eq. (1) give for K a time of formation about 1.6 × 10° formation about 1.6 × 10° years ago. With Use and Use one finds that the time of formation that the time of formation was about 4.2 × 10° years ago. Rb both have radioactive isosophies. Rb both have radioactive isotopes with half-lives of the order 10 those 10 years. The abundances of the order to those 10" years. The abundances of these isotopes are comparable to the of the stable isotopes of the same elements. This is consistent with a time of formation of the order of the same should have time of formation of the order of 10° years ago, for there should have been little diminution of these should be the same elements. This is consistent with the constant of the same elements. been little diminution of the order of 10° years ago, for there should than one half-life. Since the accurate discourse isotopes in a time less than the time of one half-life. Since the assumption of equal abundance at the time of formation is certainly a rough formation is certainly a rough approximation, these results are in good

^{*}V. M. Goldschmidt, Geochemische Verteilungsgesetze der Elemente. IX. Die Messer beiteilungsgesetze der Elemente und der Atom-Arten. I. Matematisk-Naturvidenskapolis klase. 1971 † H. S. Brown, Rull A.

agreement. On the other hand, the present expansion rate of the universe indicates its age to be about 2 × 10° years, so the elements must have been formed quite early.

The sources of energy in stars and the general structure of stellar interiors are believed now to be reasonably well understood. Bethe has shown that, aside from the nuclear transformations responsible for energy production in stars, no nuclear processes in which elements heavier than He are built up can go on. Since these thermonuclear reactions can well have supported the energy production in stars at present rates for times comparable to the age of the universe, the stars must have been formed with essentially their present composition. It appears, therefore, that one must explain the formation of the elements in an carly prestellar state of the universe.

IV. THE PRESTELLAR STATE OF THE EXPANDING UNIVERSE

Some information concerning the prestellar state of the universe, including in particular the densities and temperatures then obtaining, can be derived from astronomical data interpreted with the aid of relativistic

Any cosmological model which one may construct must be consistent with the following observed features of the universe:

1. The universe appears to exhibit large-scale homogeneity and isotropy. 2. The mean density of matter in the universe, distributed uniformly, is of the order of 10°00 gm/cm°.

3. There is a uniform expansion of the reference frame. All extragalactic nebulae have an apparent recession velocity, revealed by a Doppler redshift. red shift, which increases linearly with their distance from the observer. This recession may be expressed by

$$v = kr$$
, (2)

where v is the recession velocity, in cm/sec, r is the distance to the nebula in cm, and k, Hubble's constant, is 1.8 × 10⁻¹⁷ sec⁻¹. The reciptocal of Hubble's constant, is 1.8 × 10 sec.

Universe

A satisfactory cosmological model; may be constructed with the following line element, which is in relativistic units:

$$\frac{d_{5}^{2} = \frac{g(t)}{(1+r^{2}/4R_{0}^{2})^{2}} (dr^{2}+r^{2}d\theta^{2}+r^{2}\sin^{2}\theta d\phi^{2}) + dt^{2}.$$
(3)

H. A. Bethe, Phys. Rev. 55, 434 (1939).

E. Hubble, The Observational Approach to Cosmology (Clarendon Press, 1937).

Tolman, Relativity, Thermodynamics, and Cosmology (Clarendon Press, 1934).

In Eq. (3), g(t) is an undetermined function of time t, r, θ , and r are the usual spherical polar and the usual spherical polar and the spherical p are the usual spherical polar coordinates, and R = Recipetty interpreted as the radius of curvature of the space. This line element exhibits spherical symmetry and is time dependent, and therefore methods the requirements of icotrons the requirements of isotropy and a uniform expansion (or contractarate. Homogeneity is incorporated in the model by considering matter in the universe to be a perfect fluid. The components of energy-momentum tensor for such a fluid are

$$T^{\mu \nu} \! = \! (P_{\scriptscriptstyle 0} \! + \! \rho_{\scriptscriptstyle 0}) \, \frac{\mathrm{d} x^{\mu}}{\mathrm{d} s} \, \frac{\mathrm{d} x^{\nu}}{\mathrm{d} s} \! - \! P_{\scriptscriptstyle 0} g^{\mu \nu}, \label{eq:Tmunu}$$

where Po and po are proper pressure and density. It can be shown the Eqs. (3) and (4) toppeshare with the shown that the shown Eqs. (3) and (4), together with the Einstein equation relating the tribution of matter and the tribution of matter and the curvature of space, lead to the tolling relationship between the universal density ρ , the expansion rate, and that

$$\frac{d}{dt}\!\!\left(\!\frac{l}{l_{0}}\!\right)\!=\!+\sqrt{\!\frac{8\pi G}{3}}\;\rho\;\!\frac{l^{2}}{l_{0}^{2}}\!\!-\!\frac{c^{2}}{R_{0}^{2}}\;.$$

This equation is in e.g.s. units. The quantity $\frac{d}{dt} \left(\frac{1}{l_0}\right)$ is exactly the expansion rate, where 1 is said to pansion rate, where l is any linear dimension; l. and R. are constitute to be determined from astronomical description. to be determined from astronomical data. G is the constant of Fig. tion and c the velocity of light. If we define $A = g_{\tau}G$; $B = -c^* l_0^3/R_0^3$ and let $\rho = 1/l^3$ then E $-c^{s} l_{o}^{2}/R_{o}^{s}$ and let $p = 1/l^{s}$, then Eq. (5) may be integrated as

$$t = \frac{1}{\sqrt{B}} \left[\sqrt{\frac{A^{\rho - \frac{1}{3}} + \rho^{-\frac{2}{3}}}{B^{\rho - \frac{1}{3}}}} - \frac{A}{B} \sinh^{-1} \sqrt{\frac{B^{-\frac{1}{3}}}{A^{\rho - \frac{1}{3}}}} \right],$$

where we have taken l = 0 at time t = 0. If one takes $l_0 = \frac{10^{-5}}{10^{-5}}$ i.e., the side of a cube containing i.e., the side of a cube containing a gram of matter at present, then the containing a gram of matter at present of the containing a gram of matter at present. (5) gives $R_0 = 1.67 \times 10^{87} \text{ V}^{-1}$ cm for the present radius of curvature. Using these values for l_0 and DUsing these values for l_0 and R_0 , we can evaluate A and B in Eq. (b) that It can be shown by expansion of the separate terms in Eq. (b) that approximately,

$$t = 8.9 \times 10^{2} \rho^{-\frac{1}{3}} - 1.54 \times 10^{-5} \rho^{-\frac{5}{6}} + \cdots$$

For $\rho > 10^{-18}$ gm/cm⁸, one may write with sufficient accuracy

$$t = 8.9 \times 10^2 \rho^{-\frac{1}{3}}$$

The cosmological model to which the above discussion applies is an open.

• G. Gamow, Phys. B.

^{*} G. Gamow, Phys. Rev. 70, 573 (1946).

model, expanding monotonically to infinity from a point singularity of infinite density.

The general laws of relativistic mechanics indicate this expansion to be adiabatic, so that

$$\rho = \text{const. } \mathbf{x} \ \mathbf{T}^{\frac{1}{5}} \ \mathbf{gm/cm^3}$$
 (9)

gives the dependence of temperature on the density of matter, and, through Eq. (8), on time. The adiabatic constant of the primordial matter may be taken as 5 3. Determination of the constant of proportionality in Eq. (6) requires knowledge of the temperature corresponding sponding to some particular epoch of the expansion. There appears to be no way a find the particular epoch of the expansion. be no way of finding such a temperature other than indirectly as a result of a successful theory of the formation of the elements.

V. THE EQUILIBRIUM THEORY OF THE RELATIVE ABUNDANCE OF THE

The correlation of large relative abundance for certain elements with large binding energies for these elements has suggested to various workers that the Present relative abundance corresponds to a thermodynamic equilibrium. This equilibrium is with respect to binding energies, at a high temperature and density in the prestellar stage of the universe. Recent attempts to improve the equilibrium theory have introduced certain stellar models whose existence in the early state of the universe is difficult to justify. Calculations of thermodynamic equilibrium have been made by Sterne,* von Weizsacker,† Chandrasekhar and Henrich.‡ Wataghin and de Toledo, § van Albada, | and by Klein, Beskow and Treffenberg, ,#. In their calculations of a thermodynamic equilibrium theory, Klein, Beskow and Treffenberg consider the nucleus as a member of a Gibbs grand canonical ensemble, with neutrons and protons

According to this approach, it can be shown that the concentration C per unit volume of nuclei of mass m, containing N neutrons and Z

$$C(N,Z) = (2s+1) \left(\frac{2\pi mkT}{h^2}\right)^{\frac{1}{2}} e^{\frac{\mu N + \lambda Z - E}{kT}}$$
 (10)

^{(1.} E. Sterne, Monthly Notices of the Royal Astronomical Society 73, 736, 767, 770 S. C. B. Van Albada. R. Hetarich. Astronomi och Fysik. Vol. X. S. C. Beskow. C. See also G. B. van Albada. Astronomi och Fysik. Astronomi och Fysik. Astronomi och Fysik. Astronomi och Fysik. No. 13 (1947); Pt. II. Vol. 34A. No. 17 (1947).

The factor (2s + 1) represents the multiplicity of the state of energy E, where s is the spin quantum number. The quantities μ and λ are the Gibbs potentials for neutrons and protons, respectively, which are interpreted as the additional binding energy obtained in the nucleus by the inclusion of a neutron or proton. The energy E should include the binding energy of the nucleus, the mass energy of the constituent neutrons and protons, and any excitation energy the nucleus may possess. However, the mass energy of the nucleons is conveniently absorbed into the potentials μ and λ . If one writes the atomic weight A = N + 2, the isotopic number λ the isotopic number $\Delta = N - Z$, and combines μ and λ in $\alpha = (\mu + \lambda)/2$, $\beta = (\mu + \lambda)/2$ $(u+\lambda)/2$, $\beta = (u-\lambda)/2$, then, according to Eq. (10), the logarithm of relative abundance of two nuclear species is given by

log
$$\left(\frac{C'}{C}\right) = \log\left(\frac{2s'+1}{2s+1}\right) + \frac{3}{2}\log\left(\frac{m'}{m}\right) + \frac{\alpha}{kT}(A'-A) + \frac{\beta}{kT}(\Delta'-\Delta) - \frac{1}{kT}(E'-E).$$
(11)

Klein, Beskow and Treffenberg determined the best fit of Eq. (11) to the observational data as corresponding to kT = 1 Mev $(T = \frac{1.16}{600})$ Mes the 10¹⁰ °K), $\alpha = -9.6$ Mev and $\beta = 2$ Mev. The theory fits the abundance data palm (and $\beta = 2$ Mev.

abundance data only for the light elements.

The essential disagreement of this kind of theory is evident from Eq. (11). The first two terms of Eq. (11) are small compared to the remaining three. remaining three. In these three terms, both the isotopic number And the binding energies. and the binding energies E are, to a first approximation, linear functions of atomic weight A. of atomic weight A.* Hence Eq. (11) is approximately of the form (12)

$$\log\left(\frac{C'}{C}\right) \cong \text{const.} \times (A'-A),$$

$$\log\left(\frac{C'}{C}\right) \cong \text{const.} \times (A'-A),$$

whereas the observed relative abundance shows a sharp exponential decrease only up to assume abundance shows a sharp exponential decrease only up to atomic weight 100 and then relative constancy jor higher atomic weights. higher atomic weights. One can not hope to represent such data by a

theory yielding a single line for all atomic weights.

Various attempts to repair this principal difficulty have been made, some of these it is the same of t In some of these it is suggested that the light and heavy elements were formed in two distinctions. formed in two distinctly different epochs, under different temperatures and densities. Others have and densities. Others have suggested stellar models in which light and heavy elements could be for heavy elements could be formed at different depths within the star, where the necessarily different about the star, where the necessarily different physical conditions could be found simultaneously. The apparent failure of an equilibrium theory to correctly explain the Both procedures are difficult to justify physically.

* G. Gamow, Atomic Nuclei and Nuclear Transformations (Clarendon Press, 1917).

relative abundance of the elements leads to consideration of the correlation of radiative capture cross sections for neutrons with the observed details of the abundance data.

VI. THE NEUTRON-CAPTURE THEORY OF THE FORMATION AND RELATIVE ABUNDANCE OF THE ELEMENTS

Gamow* has indicated that because of the rapid variation of physical conditions during the early stages of the expanding universe, the elements must have been formed by some rapid continuous building-up Process involving successive neutron captures. It is suggested that the sequence of events prior to and during the period of element formation was the following. The expansion of the universe began with a gas of neutrons as the primordial material. When the density had decreased sufficiently in the expansion, the radioactive decay of neutrons into Protons began. However, mean thermal energies per particle still exceeded the binding energy per particle in nuclei, so no nuclei could be formed. Later in the expansion, the temperature had decreased sufficiently so that the capture of neutrons by protons could begin, forming deuterons. Successive neutron captures led to the formation of heavier nuclei. Because of the exponential decrease with time of the number of neutrons due to their decay, the process must have terminated in a time of the order of magnitude of the neutron half-life.

In general, the rate of increase of the concentration of nuclei of atomic weight A was proportional to the difference between the number of nuclei of atomic weight (A - 1) which captured neutrons and became nuclei of atomic weight A, and the number of nuclei of atomic weight A which in turn captured neutrons and became nuclei of atomic weight (A + 1). The differential equations for such a process are

$$\frac{dn_{A}}{dt} = f(t) \left[\lambda_{A-1} n_{A-1} - \lambda_{A} n_{A} \right], A = 1, 2, 3, ..., 238, (13)$$

where f(t) is a factor to account for the general density decrease due to the expansion of the universe, and λ_A is the probability per second that a nucleus of atomic weight A will capture a neutron. The process and by the decrease in neutron concentration. The nuclei formed in the Permi-elements, and therefore must have undergone successive β -disinin radioactivity, and their solutions for several sets of initial conditions where β distinctions into stable forms. Equations of the form (13) are familiar are given by Rutherford, Chadwick, and Ellis.

G. G. G. Phys. Rev. 70, 572 (1046).

Cambridge University Phys. 1930), p. S. Ellis, Radiations from Radioactive Substances

There is good evidence for suggesting that the elements were formed by a neutron-capture process. We have already mentioned the fact that nuclei of even atomic weight were more abundant than those of odd atomic weight, that nuclei with completed shells according to the a-particle model of nuclear structure were more abundant than others without such shells, and finally, that there were large abundance peaks for elements of the "magic number" variety. In all these cases the nuclei have larger binding energies corresponding to a saturated internal structure. Hence, the next neutron to enter such nuclei will be less strongly bound than would otherwise be the case, and such nuclei should show smaller capture cross sections. This conclusion is supported by the work of Feenberg* concerning the even-odd variation of cross section, and by Wigner and Way, who report definitely smaller cross sections for the abundant "magic number" nuclei. That abundant nuclei should exhibit small capture cross sections is consistent with Eq. (1), since such nuclei would on the one hand resist change to a higher atomic weight, and, on the other hand, would be more likely to be formed from neighboring lighter nuclei of smaller binding energy per particle because of the larger energies associated with a completed shell structure.

An important piece of evidence is in the recent work of Hughes, who has determined capture cross sections of many of the elements for Mey neutrons. These cross sections of many of the elemente with atomic weight up to about 100, and are essentially constant for higher atomic weights. This is quite consistent with the observed general trend of abundances. trend of abundances. Hughes' data, together with essentially all other published capture cross section data, indicate that one may approximately represent the relationship between capture cross sections, atomic weight, and neutron energy, by the formulae

$$\sigma\sqrt{E} = 1.3 \times 10^{-28} \text{ cm}^2\sqrt{\text{ergs}}, \text{ for } A > 100,$$
 (14)

and

$$\sigma \sqrt{E} = 1.3 \times 10^{-30} \times 10^{-0.03} = 1.00 \times 10^{-0.03} = 1.00$$

These formulae, which contain the well known I/v law for neutron cross sections inner the cross sections, ignore resonances for the lower energies. Since the abundance data show abundance data show no anomalies for elements known to have large

^{\$} D. J. Hughes, Phys. Rev. 70, 106A (1946). See also D. J. Hughes, Manhattan District Declassified Document, MDDC-27, April 29, 1946.

thermal resonances, the temperature obtaining during the neutron-capture process must have been well above the resonance regions. Equations (14) contain the implicit assumption that capture cross sections are independent of the possible β -instability of nuclei, and depend only on atomic weight. For purposes of preliminary calculations, the detailed cross section data for the elements are not considered.

If we assume the primordial matter in which the process went on was an ideal gas, then one may show that the number of neutrons captured by nuclei of atomic weight j per unit volume per second is given by

$$\frac{4n_1 n_j}{\sqrt{2\pi m_1} (kT)^{3/2}} \sqrt{\frac{1+j}{j}} \int_{\sigma_{1,j}}^{\infty} e^{-E/kT} E dE,$$
 (15)

where n_1 is the number of neutrons per unit volume, n_1 is the number of nuclei of atomic weight j, σ_{11} , is the radiative capture cross section for these nuclei, and m_1 is the mass of the neutron.

The factor in Eqs. (15) multiplying n_1 is evidently λ_1 as used in Eqs. (13). Substituting Eqs. (14) in Eqs. (15) and performing the indicated integrations, we obtain for the probability per second that a nucleus of atomic weight j will capture a neutron the following:

$$\lambda_{j} = 1.4 \times 10^{-16} \sqrt{\frac{1+j}{j}} \, n_{1} \, \text{sec}^{-1}, \text{ for } j > 100,$$

$$\lambda_{j} = 1.4 \times 10^{-18} \times 10^{0.03j - 1.00} \sqrt{\frac{1+j}{j}} \, n_{1} \, \text{sec}^{-1}, \text{ for } j < 100.$$
(16)

In carrying out the integration, one finds that temperature cancels out. This means that a temperature need not be assigned for the process. However, the temperature during the building-up process must have been well above resonance energies, say 10° ev, and well below the binding energy per particle in nuclei, say 10 Mev. A temperature of the order of 10° ev would appear to be the correct one; this is in the region of temperatures for which the assumed variation of cross section with atomic weight has been directly verified.

If we absorb the factor f(t) into the terms $\lambda_1 n_1$ of Eqs. (13), assume that the supply of neutrons is not appreciably changed during tremely large abundance of H in the universe), and, finally, assume that t = 0, $n_2 = n_3 = \dots = n_1 = 0$, then solutions of Eqs. (13) are of the form

$$\frac{n_{i}}{n_{1}} = \frac{\lambda_{1}}{\lambda_{i}} \left[1 - \lambda_{2}\lambda_{3}\lambda_{4}...\lambda_{i} \begin{cases} \frac{e}{\lambda_{2}(\lambda_{3} - \lambda_{2})(\lambda_{4} - \lambda_{2})...(\lambda_{i} - \lambda_{2})} \\ -\lambda_{3}t \\ \frac{e}{\lambda_{3}(\lambda_{2} - \lambda_{3})(\lambda_{4} - \lambda_{3})...(\lambda_{i} - \lambda_{3})} + \dots \end{cases} (17)$$

$$+\frac{e^{-\lambda_{i}t}}{\lambda_{i}(\lambda_{s}-\lambda_{i})(\lambda_{s}-\lambda_{i})...(\lambda_{i-1}-\lambda_{i})}\bigg\}\bigg].$$

In Eqs. (17), no two \(\lambda\)'s may be equal. If all \(\lambda\)'s are equal, and if the same initial conditions hold, the solutions are of the form

$$\frac{n_1}{n_1} = \frac{n_{1-1}}{n_1} - \frac{(\lambda t)^{1-3}}{(i-2)!} e^{-\lambda t} . \tag{18}$$

It should be noted in Eqs. (17) that any multiplicative factor common to all the λ's cancels out completely in the coefficients and is retained only in the exponential factors. Thus, one may cancel the factor no contained in all \(\lambda\)'s from the coefficients in Eqs. (17), and use the combination put which appears bination n₁t which appears in every exponential factor as the independent variable.

Equations (17) are essentially algebraic in form, whereas the abundance data fall off exponentially with atomic weight up to 100. It was found that evaluation of Eqs. (17) could not be carried out for atomic weights higher than the weights higher than about 4 or 5 because the solutions were of the form of very small differences between very large numbers. The computational inaccuracy of such forms was aggravated with increasing atomic weight. To circumstant distributed, weight. To circumvent this difficulty, only selected no were calculated, these no being separated by large groups of atomic weights. Thus, Eqs. (13) were replaced by the following equations (19)

$$\frac{d\overline{n}_{j}}{dt} = \overline{\lambda}_{j-1} \, \overline{n}_{j-1} - \overline{\lambda}_{j} \, \overline{n}_{j}, \quad j = 2, 3, ..., 13,$$

$$(19)$$

where groups of 20 in atomic weight were chosen for convenience. In Eqs. (19) λ_0 represents 1/20th of the average λ for atomic weights 1 through 20. through 20, λ_0 for atomic weights 21 through 40, . . , no is a representative element in the second reached sentative element in the group of atomic weights I through 20, no, reached by 20 successive name and atomic weights I through 20, no, reached by 20 successive neutron captures from n₈, represents atomic weights 21 through 40. 21 through 40, . . ., etc. Even with these approximations it was found necessary to resort to average and the second seco necessary to resort to numerical integration to carry through solutions to \vec{n}_{10} (atomic weights 221 to 240). The set of solutions corresponding to $n_1 t = 0.81 \times 10^{18} \text{ sec/cm}^3$ was found to give a good representation of the observed abundance data. The fit to the data is sensitive to the choice of n₁t; for example, sets of solutions corresponding to n₁t = $0.51 \times 10^{10} \text{ sec/cm}^3$ and $n_1 t = 1.3 \times 10^{10} \text{ sec/cm}^3$ lie well below and well above the observed abundances. Saturation of the process is essentially reached for an n_t of the order of 10^{ss} — 10st.

It appears that a neutron-capture process was the basic mechanism whereby the elements were formed and their relative abundances deter-

II. INTERPRETATION OF THE RESULTS OF THE NEUTRON-CAPTURE

We have found that the value of n₁t = 0.81 × 10¹⁰ sec/cm⁰ appears ve the best fit of the computed to observed relative abundance plot. The quantity nit may be interpreted as the integral of pdt during the process of element formation. If the density is taken to be due to neutrons only, and the dependence of density on time given by Eq. (8) is used, we may write

$$\int_{t_0}^{t_1} \rho dt = \int_{t_0}^{t_1} \frac{(8.9 \times 10^2)^2}{t^2} dt = 1.66 \times 10^{-24} \times 0.81 \times 10^{18}$$

$$= 1.3 \times 10^{-6} \text{ gm/sec/cm}^3.$$
(20)

This yields

$$\frac{1}{t_0} - \frac{1}{t_1} = 1.6 \times 10^{-12} \text{ sec}^{-1}.$$
 (21)

If we assume that the process took a time of the order of a neutron half-life, then Eq. (21) gives

$$t_0 \cong 10^7 \text{ seconds}$$
 (22)

as the starting time of the process. Equation (8) gives for the density of matter at this time

$$\rho_0 \cong 10^{-8} \text{ gm/cm}^8$$
. (23)

Values of to and po thus obtained are only order of magnitude quantities. However, it may be noted that they lead to a contradiction with the qualitative description of the process. According to Eq. (8), the density should have dropped shortly after the start of the expansion to values such that neutron β-decay could go on. As a result of this, by to seconds after the start of neutron decay the neutron concentration would have would have been much too low to permit a neutron-capture process to to on. As has been pointed out, the temperature during the capture process must have been of the order of 10° ev = 10° oK. The density of radiation at such a temperature is of the order of 1 gm/cm, man orders of magnitude higher than the initial density given by Eq. (23). It is suggested, therefore, that radiation controlled the initial stages of the universal expansion, and that the cosmological model leading to the (8) can not be correct. The initial density and starting time for the neutron-capture process must therefore be reinterpreted in terms of a different cosmological model.

We have seen that the temperature during the neutron-capture process must have been of the order of 10° ev. The universal expansion should have been adiabatic, in terms of any reasonable cosmological Equation (9) then indicates that the change in temperature during the process due to the expansion was small, and temperatures were still of the order of 10° ev when the process ended. We may conclude that whereas are to the expansion was small, and temperature of the expansion was small with the expansion of the expansion of the expansion was small with the expansion of the expansion of the expansion was small with the expansion of the expansion o clude that whereas temperature was the controlling factor for the start of the process, temperature decrease in the expansion did not terminate

The relative abundances of nuclei formed by the neutron-capture the process. process must have undergone certain modifications during and after the process. For example, the nuclei formed must have had a large neutron excess, and therefore excess, and, therefore, must have undergone successive β-disintegrations into a stable state. into a stable state. One would expect that the β-disintegrations stopped when the stable isobaria (the stable iso when the stable isobaric form of lowest charge was reached. Suggested by the observed the charge was reached. suggested by the observed abundance data, for one finds that when there are isobars, those of law are isobars. are isobars, those of lowest charge are predominantly abundant.

According to the theory presented, there is no restriction against the process of nuclear fission provides the necessary restriction. hat any becomes more probable with increasing atomic weight, so that any transuranic elements formed would hardly have survived a 10° ev neutron flux. One should shou flux. One should therefore find material which arrived at the "tail" of the abundance place of the abundance plot redistributed at lower atomic weights according to the fission yield of the to the fission yield of these elements. Published fission yield data show remarkably little dependent remarkably little dependence on the atomic weight of the parent ment. Yield curves show the ment. Yield curves show broad peaks at atomic weights of the order of 95 and 130. These courses of 95 and 139. These atomic weights are approximately coincident with the large abundance peaks previously ascribed to the "magic number" nuclei of small cross costs. nuclei of small cross section, so that fission products "landing" in these regions would tend to account the section of the se regions would tend to accumulate. It is possible therefore and from peaks are the superimposed abundances from neutron-capture and from

The scarcity of H², H², and all the isotopes of Li, Be, and B in ter-

^{*} This has also been pointed out by F. C. Frank, Proc. Phys. Soc. Lond. 60, 512 (1018).

restrial material as well as in the universe, together with the theory of von Weizsäcker for the origin of the planetary system, indicates these elements were scarce before present stellar configurations were formed. Because of the adiabatic expansion, temperatures were still quite high after the neutron-capture process ceased, high enough in fact to support thermonuclear reactions of these elements with protons at a very accelerated rate. It is suggested that the universe went through a stage of element formation to a stage when only thermonuclear reactions were possible, and, with further expansion, to a stage when no nuclear reactions at all went on. The growth of stellar configurations somehow that the stage,

The theory presented for the formation and relative abundance of the elements is obviously in preliminary form. To effect significant improve-cosmological model be introduced into the mathematical formulation of the process. In addition, a more detailed knowledge is required of the capture cross sections of the elements, particularly the light elements.

STUDY ON TOXINS AND ANTIGENS OF S. DYSENTERIAL

by DANIEL ALVIN BOROFF *

Two types of toxin have been described by various investigators working with S. dysenteriae. The role of these substances in protection and pathogenesis have been debated since 1920 when Olitsky and Kligler first described the separation of these two toxins. Their claim was that one was a neurotoxin capable of inducing paralysis and the other an

Boivin and Mesrobeanu further extended these studies and claimed enterotoxin having affinity for the gastro-intestinal tract. that the neurotoxin was a thermolabile exotoxin and could be neutralized by a specific antitoxin. The enterotoxin was found by these investigators to be a thermostable polypeptide-polysaccharide-lipoid complex associated with the control of the complex associated with the control of the ciated with the somatic antigen of S. dysenteriae. Morgan and Partridge in 1937 characterized this complex showing the polypeptide to be a protein and the polysaccharide to be the specific haptene of the organism.

Dubos (1946), however, could not demonstrate the presence of He. exotoxin in the filtrate from young cultures of these organisms. the therefore, suggested that the neurotoxin is liberated only upon the

Not only is the existence of the exotoxin in doubt, but the existence of two toxins has been questioned by Waaler, who believes that both neurotoxic and entercessing autolysis of the organisms. neurotoxic and enterotoxic effects may be demonstrated in laboratory animals by varying the dose of injected autolysates of S. dysenteriat.

On the other hand Seal of Seal On the other hand, Steaben in 1943 suggested the possibility of the presence of three distinct ence of three distinct toxins, two in the somatic antigen and the thirdthe neurotoxin. In addition, she claimed that injection of somatic antigen affords antibacterial protection while the antitoxin protected only against neurotoxin. To add neurotoxin. To add to the confusion, both Steaben and Dubos observed that antibodies in served that antibodies induced by injection of these two substances

In view of the existing uncertainty, it was felt that a systematic tempt should be made attempt should be made to determine the number of dominant antigens cross-reacted strongly. present in Shiga, as well as the nature of toxin or toxins produced by this organism. This peace and this organism. This paper concerns itself with the study of toxins and antigens of S. dyranteriae

The strains of organisms used in investigation were those reported the works of the above in the works of the above mentioned investigators. Rough and smooth variants of strain 2208 S variants of strain 2308 S. dysenteriae were obtained from Dr. Dubosi, Bucharest rough and Bucharest rough and smooth variant used by Boivin from N. I. H.; and strain 624 from Dr. M. strain 624 from Dr. Morgan. Other strains of S. dysenteriae west

^{*}B.S. 1934. College of the City of New York; A.M. 1936. Columbia University Mss. DeLamar Institute of Public Health, Columbia University: Ph.D. conferred Mss. 1948. 26, 1948.

smooth 52 from the University of Pennsylvania, and S14-4 from the Army Medical School.

The organisms were grown either on tryptone broth or tryptone agar to which were added 0.1 per cent NaCl and 0.1 per cent glucose.

The neurotoxin was prepared by methods suggested by either Boivin Or Dubos. The organisms were grown for 18 to 24 hours and separated by centrifugation. The sediment was washed 3 times in cold saline Solution and resuspended in distilled water and covered with toluol. The autolysis was allowed to take place at 37° C. for 5 days. The resulting autolysate was treated with trichloracetic or hydrochloric acid. It was observed that after a pH of 4.0 was reached with either acid, no more precipitation occurred.

The precipitates were collected, washed, and redissolved in distilled Water. The salts were dialyzed out and the dialysate dried by the lyophile process. This dry material was the partially purified toxin of S. dysenteriae.

In the work with whole organisms, the cultures were grown as previously mentioned. The organisms were washed and dried from the frozen state.

Two additional methods were employed to obtain the toxin material from our strains.

A suspension of washed organisms was treated in a magnetostriction Oscillator at 9000 cycles for 90 minutes. Upon centrifugation of the resultant lysate a clear straw-colored solution was obtained which upon acidification with either 2 per cent trichloracetic acid or N/1 hydrochloric acid to pH 4.0, yielded a white flocculant precipitate. After

washing and dialysis, this precipitate was also dried by lyophilization. Electrophoretic analysis revealed that this substance appeared to be composed of one slow and one fast component. The slow component, when it was not contained that this substitute of the slow component, when isolated by electrophoretic means, comprised about 70 per cent of the subthe substance and seemed to contain all of the demonstrable protein as well as all the toxicity.

The somatic antigen was obtained according to Morgan's method. Dried organisms were extracted with 10 times the volume of diethylene Rlycol, the solvent dialyzed out, and the material precipitated out with 66 per cent cold acetone.

All the above substances were tested for their toxicity in mice. The tesult obtained showed that all preparations were of the same order toxicis. of toxicity. Intraperitoneal LD₁₀₀ for mice was between 30 and 60 micrograms. These substances were much more toxic for rabbits. Ten micrograms was sufficient to kill a 5 lb. rabbit in 24 to 48 hours.

However, all these substances from smooth variant, when given to rabbits in sublethal doses, induced the formation of agglutinins and precipitins which cross-reacted practically to the same titer with all the above antigens.

The fractions from rough organisms as well as the whole organisms

produced no agglutinins or precipitins.

Absorption of these antisera with either whole organism or any of the fractions obtained by various methods removed not only the precipitins to this substance but also the agglutinins to the whole organism. Rabbit protection experiments indicated that the animals immunized with any one of the preparations were protected from 100 LID of any other preparation with the exception of somatic antigen immunized rabbits which were not protected.

Passive protection of mice with immune sera of these rabbits seems

to point to the same conclusion.

The chemical analysis of S and R autolysates yielded very suggestive data. Identically acting toxins could be obtained from either of the autolysates by acid precipitation with trichloracetic acid, which is Boivin's method, or by hydrochloric acid, which is Dubos' procedure. In both instances a white flocculant precipitate separates out when pH 4 Further acidification yielded no more precipitate. isolated substances were toxic to the same degree for mice, and induced identical symptoms including diarrhea, weakness, desire of animals to lie on one side, tetanic spasms, paresis, and occasional paralysis of either the front or the hind legs.

On further analysis of the acid precipitates it was established that the toxins contained a protein of low molecular weight. This protein the not coagulate on heating, nor did it dissolve in distilled water. tryptophane content of either toxin was 2 per cent. It was also found that while pieces. that, while nitrogen content per mg of dry weight of the respective toxins was the same, the ratio of reducing sugar to nitrogen was 0.408

for the smooth and 0.175 for the rough toxin.

Immunization of rabbits with toxin from smooth variant of S. dysenteriae induced the formation of agglutinins against whole organisms, thus indicating that this toxin contained some part of somatic antigen.

De Kruif (1921) and Arkwright (1921) have shown that dissociation from smooth to rough is often accompanied by the loss of the ability of the organisms. the organisms to synthesize a specific polysaccharide. Available techniques were insedemental accompanied by the loss of the authorized techniques were insedemental accompanied by the loss of the authorized techniques. niques were inadequate to estimate what proportion of reducing sugar constitutes the energy constitutes the specific polysaccharide of S. dysenteriae; nevertheless, it is obvious that the is obvious that the rough variant is poorer in carbohydrates than the smooth variant. Run in land was smooth variant. But it has been maintained that this polysaccharide was only observed in the only observed in the somatic antigen complex which is claimed to be quite distinct in its complex which is claimed to be quite distinct in its toxic and antigenic properties from the neurotoxin.

Our absorbtion

Our absorbtion experiments have shown that antiserum against the crude autolysate absorbed with whole organisms was completely

hausted, and that whole organism antisera was equally free from antibodies when absorbed with purified toxin. Thus it would seem that the specific antibodies for neurotoxin and somatic antigen are the same. The corollary to this is that the toxin is either in part or in whole equal to the somatic antigen.

Dubos (1946) mentions that the neurotoxin he isolated contained a basic protein. Morgan (1942) on the other hand, claims that the protein moiety of the somatic antigen complex is also basic and that when this protein is freed from the specific polysaccharide, it (the protein) loses its antigenicity. This fact adds to the evidence of the similarity of substances isolated by Dubos and called Neurotoxin and diethylene glycol extracts of Morgan which he called Somatic Antigen. The apparent differences observed by various investigators in the toxic effects may perhaps he ascribed to the method of isolation of the toxic substance. Apparently the bond between the protein and the polysaccharide is such that chemical treatment may effect a split of various amounts of either one or the other component.

We cannot yet adequately explain the protection afforded by immunization with rough variant or its fractions. However, this protection need not be ascribed to the presence of antitoxin. The phenomenon of protection in absence of demonstrable circulating antibody has been observed by immunization with an organism devoid of exotoxin and therefore, not capable of eliciting the formation of antitoxin. Dingle, Fothergill, and Chandler in 1937 stated that guinea pigs immunized with H. influenzae showed no circulating antibodies, although they were fully fully protected. On further consideration, this protection cannot be ageribed to the antitoxin because the rabbits immunized with rough organisms or their fractions were equally protected against smooth organisms presumably possessing toxic somatic antigen.

Summarizing accumulated evidence we would like to offer an alternative to the current theory of the phenomenon of toxicity and anti-Renicity of S. dysenteriae. We suggest that it is wholly possible that the somatic antigen and the neurotoxin of S. dysenteriae are one and the same the same substance, and that the toxicity of the complex resides in the protein protein moiety while the polysaccharide part determines both the anti-

Renicity and specificity of the antigen. This theory accounts for the phenomenon of complete absorption of anti-autolysate serum with whole organisms and for the non-antigenicity of the autolysate from the rough variant, as well as for the protection afforded by immunization with either whole organisms or any of the derived (see above preparations. derived fractions of S. dysenteriae against any of the above preparations.

ARTHUR SPIETHOFF'S CONTRIBUTION TO BUSINESS CYCLE THEORY

by HELEN OSTERRIETH NICOL .

INTRODUCTION

The purpose of the dissertation is to present the business cycle theories of Arthur Spiethoff, German economist, to analyze and interpret them to trace them to his intellectual roots, and to compare them with those of his contemporaries. This throws into relief the nature of his own contribution and his influence on the literature of economic fluctuations.

Spiethoff was one of the first who attempted to analyze economic fluctuations in terms of a number of dynamic forces operating within the economy, and therefore to explain the evolution from one cycle phase to another in terms of both cumulative factors and turning points. Spiethoff combined historical, factual analysis with a novel conceptual apparatus. His particular achievement is that of being able to assemble, survey, and evaluate a mass of statistical data and yet develop an original theory which is all the statistical data and yet develop an original theory which is all the statistical data and yet develop an original theory which is all the statistical data and yet develop an original theory which is all the statistical data and yet develop an original theory which is all the statistical data and yet develop an original theory which is all the statistical data and yet develop an original theory which is all the statistical data and yet develop an original theory which is all the statistical data and yet develop an original theory which is all the statistical data and yet develop an original theory which is all the statistical data. inal theory which is plausible and applicable. Although he is primarily concerned with the industrial cycles of the nineteenth century up to the First World War, his theory still has relevance today in helping to clarify some basic issues of postwar economic dislocation.

SPIETHOFF'S CONTRIBUTION TO METHODOLOGY

The three fundamental elements in Spiethoff's intellectual make-up are the teachings of the Younger Historical School, the influence which Marx and the Marxian School had on him, and the abstract-analytical method of classical and marginal economics. The influence of the to his historical-statistical studies; the influence of Marxist thought colored his theory of overproduction; and the influence of classicism and marginalism led him to adopt a theoretical approach.

This approach is an original contribution to methodology. anschauliche Theorie Spiethoff blends abstract theory with a description of the faces. of the facts. The result of this fusion is a theory of development that describes the historical describes the historical data it selects. This method has the advantage that it explains reality that that it explains reality and permits forecasting from the reality. disadvantage is that it is extremely difficult to combine pure logic with the given discipline of historical facts in a rigorous fashion, because judgment enters judgment enters as a balancing criterion. Occasionally, therefore, Spiethoff finds it necessary to abandon his theoretical approach and to rely on his intuition rely on his intuition about the facts. Those occasions constitute

^{*}A.B. 1926, Victoria-Luise Oberreale Studien-Anstalt, Berlin, Germany; M.S. 1943, Columbia University; Ph.D. conferred May 26, 1948.

in his analysis, but by what he lost in elegance, the students of his analysis gained from his insight and understanding of economic processes.

The link between the method of anschauliche Theorie and a theory of economic fluctuations is forced by the Wirtschaftsstil, a model of economic life which reflects the characteristics of a given historical market form. Each market form requires to be explained through a variation of general economic theory, and each variation has three aspects: pure in order to relate the ideal model to the general theory; anschaulich in order to recreate reality; and historical—in order to relate it to its own historical setting. Spiethoff's method of analyzing business cycles comprises all three, although his emphasis is on anschauliche Theorie. This approach transcends the monistic methods used by other business cycle theorists and is an important contribution to business cycle methodology.

SPIETHOFF'S MODEL OF THE CYCLE

Spiethoff's historical studies led him to believe that economic life is characterized by two kinds of fluctuations: the span, a long wave which lasts from 21 to 31 years (approximately half the length of a Kondratieff upswing or downswing); and a shorter cycle which makes a complete revolution, lasting from 7 to 11 years. This is the intermediate (Juglar) business cycle with which his analysis is mainly concerned.

Spiethoff considers these cycles typical of industrial development and thinks that the contours they trace have general validity for capitalistic organization. Hence the justification for a theoretical cycle model, patterned from actual historical data and yet abstracting from these data to a "model cycle" with ideal phases and subphases, displaying idealized movements of upswing, downswing, and crisis.

This model cycle is in several respects not integrated with his description and casual explanation of the cycle (briefly his "theory" as distin-Ruished from his "model"). Spiethoff attempts to reduce a constellation of high. of highly complex interrelationships to manageable proportions, and therefore does not escape oversimplification and hence some distortion of his underlying theories.

SPIETHOFF'S THEORY OF THE CYCLE

Spiethoff's description of the mechanism of expansion and contraction, its contraction of the mechanism of expansion and contraction, in its careful attempt to evaluate all economic forces at work in the different phases and subphases of the cycle, draws connections and relations from the facts and establishes finally a casual explanation.

The upswing refers to a period of rising profits, investment, consumption of producers' goods (iron and coal), production, and prices. The period of slow growth is the Second Rise and that of maximum development of slow growth is the Second Rise and the upswing is Capital development, Full Prosperity. The last phase of the upswing is Capital Shortage. The upswing is inevitably terminated by overproduction and

may or may not be accompanied by a crisis. The downswing is the natural result of the upswing. Its first subphase is the Decline which is characterized by a reversal of the symptoms of the upswing. During its second subphase—First Rise—the downswing is checked and followed by a slight upward movement in the con-

The essence of the alternation of upswing and downswing is the sumption of iron and coal. rising or falling consumption of iron and coal and other producers' goods, and therefore the rising or falling investment in capital goods. Hence an explanation of the turning points and of cumulative factors shows what forces underlie the upswing or downswing and what conditions

are favorable to it.

Spiethoff's theory of the lower turning point depends on the assumption of idle factors of production, idle commodity stocks, and idle money. His impelling forces are the exogenous factor of territorial expansion the exogenous factor of technical innovations, and the psychological factor of business incentive. In this analysis Spiethoff abandons the Juglar to some extent and, like Schumpeter and Keynes, depends on the forces which determine a Kondratieff upswing. His endogenous forces are the interaction between the rate of interest and the rate of profits via cost-price relationships, an increase in productivity due to internal economies, and large scale reorganization of firms.

Once a rise has been initiated, it depends on cumulative forces for a continuous self-generating upward movement. These forces are the increased optimism of entrepreneurs due to rising profits, and therefore rising employment, rising output, and a rising accumulation of money, Implicit in this discussion is the acceleration principle as well as the investment multiplier. In a later stage, prices begin to rise as a consequence of rising capital investment and of an increased consumption of producers' goods. His explanation of the downswing is a reversal of

these forces.

Spiethoff's theory of the upper turning point hinges partly on his concept of a shortage of investible funds. This concept has been variously interpreted and has been variously interpreted and has been made to appear as his sole explanation of this phase. By itself it does not provide a satisfactory explanation of the upper turning point, but such an explanation can be made to follow from all of the forces which he mentions as being at work in this phase.

On the supply side appears (1) the money factor which prohibits continued expansion of capital goods. This takes the form of both a shortage of investible funds and a relative decline in incomes of salaried employees, rentiers, and wage earners because of the lag in incomes relative to price ricce. tive to price rises, and because apparently their ability to save declines.

This retards communications are the save declines. This retards consumption. (2) There is the physical factor, which takes the form of a shortage of labor and raw materials and their complements. (3) There is the technological factor of the length of the period of production.

On the demand side appears (1) the factor of absolute saturation of demand for capital goods which is at work in highly industrialized nations, (2) the decline in demand which has to do with the decreasing tate of expansion of plant and equipment, (3) the technological factor of the durability of capital goods, and (4) the decline in real incomes which acts to retard consumption.

Affecting both demand and supply is the psychological factor of ex-Pectations. Taken as a whole, Spiethoff's explanation of the upper turning point is realistic even if somewhat confusing. It has the advantage that most of the factors which he mentions are endogenous.

Spiethoff's theory of the crisis is the only part of his analysis which stresses monetary factors. The crisis consists of a sudden collapse of credit, because the crisis itself is the result of overspeculation and overexpansion of credit. Besides the credit crisis, Spiethoff distinguishes also the securities and commodities crisis, the crisis of new enterprises, and the crisis of investible funds, which are related to the credit crisis in different degrees depending on their dominating and causally determining characteristics.

Spiethoff's theory of the building cycle demonstrates that residential building proceeds in cycles which display in general the same pattern as the business cycles, but lead the phases of the cycle. This is the result of abrupt changes in population, the fact that residential building depends on the short-term money market, and the highly speculative character of that industry.

Spiethoff's philosophy of economic fluctuations does not allow for the concept of a norm or equilibrium. He thinks that upswing and downswing must alternate inevitably and immutably as long as economic man follows his gainseeking instincts, and as long as he employes capitalistic production methods in a free money market organization. These three are the internal elements necessary to produce and perpetuate economic flucture. Auctuations without the need for external shocks. Spiethoff considers business cycles the most powerful method that could have been devised to write will power: "During to wring from man the last ounce of economic willpower: "During Prosperity the candy of profits,—during depression the whip of want!

SPIETHOFF'S THEORY IN THE LIGHT OF BUSINESS CYCLE THOUGHT

Aftalion developed an overinvestment theory of the business cycle which in many respects is in agreement with Spiethoff's. Bouniatian's monetary overinvestment theory and Cassel's undersaving theory have also much in common with Spiethoff's theory. Schumpeter's theory, in spite of spite of a different theoretical approach, resembles Spiethoff's closely.

In the writings of these four economists the areas of agreement with

Spiethoff outweigh the areas of disagreement.

This is not so with the "modern" theorists. Hawtrey, Hayek, Keynes, and Hicks have a different conception of economic processes and their business cycle theories are subordinate to their general systems, or so imperfectly stated that they have to be abstracted from their systems as a whole.

Hawtrey and Hayek, although their theories are based on different premises than Spiethoff's, have a monetary explanation, especially of the

upper turning point, which is not very different from his.

Keynes' business cycle theory has three aspects: the Treatise discussion of the cycle was conceived under Spiethoff's influence, his General Theory model is concerned with the Kitchin cycle, but his chapter on the Trade Cycle more nearly with the Juglar. Keynes' "vision" in many respects resembles Spiethoff's, but otherwise the theories of Keynes and Spiethoff rest on different empirical assumptions and it is therefore only possible

to show similarity and dissimilarity in specific areas.

Hicks' theory (Value and Capital) is in part formally dynamic and although like Keynes, Hicks did not devote more than a chapter to business cycles, his system as a whole has some important similarities with Spiethoff's theory. Both Keynes and Hicks depend to a larger extent than Spiethoff on exogenous factors, but have created concepts which, in themselves dynamic, can be made to yield an endogenous explanation. Hicks' premises of his dynamic system are not fundamentally different from Spiethoff's, and in that respect Hicks is closer to Spiethoff than Hawtrey, Hayek, or Keynes.

Spiethoff's contribution to business cycle theory consists of: (1) the way in which he assembled, processed, and evaluated a mass of statistics for the purpose of the for the purpose of deducing from them the rhythmical patterns of the economy; (2) the method of anschauliche Theorie which gave unity to the abstract-theoretical and the historical-quantitative analysis; (3) the concept of the "model" cycle with its idealized phases and subphases; (4) his treatment of cumulative factors and turning points; and (5) his social philosophy which follows from his business cycle theory.

Spiethoff's basic assumption is that of a dynamic, expanding, capitalistic society. This assumption is still relevant today, at least in the United States. The pattern of a still relevant today, at least in the United The pattern of development in the latter half of 1947 and early in 1948 shows a dangerous unbalance in the structure of production, somewhat of the type that Spiethoff described. His theory can in some respects explain the investment boom following the Second World War. Spiethoff's correction War. Spiethoff's correctives for such an unbalance, however, were not designed to cone with designed to cope with major dislocations, because of his conviction that the free enterprise economy is limited in countercyclical measures. He believes that such an economy cannot stabilize business activity through monetary controls or price control, but it can ask the key industries to refrain from further expansion during the upswing, and it can demand an expansion of publicly managed enterprises during the depression, such as public utilities, public corporations, railroads and other large enterprises connected with transportation, and residential building.

These measures, Spiethoff thinks, can help to mitigate cycle extremes, but in general nothing can be done to arrest the immutable alternation of upswing and downswing without also arresting economic progress. This philosophy is not shared by the industrial countries of 1948. Their policy is to attempt to adjust the various components of the economy so to avoid a depression. In this task, however, Spiethoff's analysis and exposition are of some help in clarifying the basic issues in a manner that supplements the Keynesian theory.



SUMMARY OF DISSERTATION
SUBMITTED FOR
THE DEGREE OF
DOCTOR OF JURIDICAL SCIENCE

1948



THE JURISDICTION OF NAVAL COURTS

by JAMES SNEDEKER .

Sources of Jurisdiction

The approach to the problem of the jurisdiction of naval courts is herein made from the constitutional viewpoint, as distinguished from the viewpoint of naval practice. The naval court-martial system was tablished by Congress pursuant to the power to "make rules for the Rovernment and regulation of the . . . naval forces". Congress enacted whole bodies of naval law in 1799, 1800, 1862, and 1874. Each, except the last, undertook to revise the earlier laws. Congress manifestly is not permitted to abdicate, or to transfer to others, the essential legislative functions vested in it by the Constitution. It may, however, dele-Rate a power to make regulations, or to fill up the details, or to exercise discretion, provided it lays down an intelligible principle, or standard. The Secretary of the Navy, with the approval of the President, has, without express delegation, supplied the procedure for general courts martial, and has made many rules, both substantive and procedural in nature, for the conduct of trials by naval courts. This asserted power is based upon two sections of the Revised Statutes, one of which conferred upon two sections of the Keviscu States only ministerial regulation only administrative power and contemplated only ministerial regulation. lations, and the other recognized as regulations of the Navy the regulations, and the other recognized as regulations of the Navy the regulations. lations issued prior to 1862, with such "alterations" as were adopted between 1862 and 1874, subject to "alterations" adopted in the same manner. It is the latter upon which the Navy Manual, Naval Courts and Boards, is based. Yet prior to 1862, there were few valid courtmartial regulations issued, and a whole system of such regulations, issued in 18e2 in 1853, had been declared by Attorney General Cushing invalid as beyond the executive power. In 1874, there were many regulations extant extant, but few which complied with the provisions of the law. The Courts, but few which complied with the provisions of the courts, however, overlooked this, and misstated the applicable statute. These errors were perpetuated. It was not until 1913 that the Navy's concept was declared fallacious by Attorney General McReynolds. The Navy, however, continues to adhere to the dicta in the old cases.

Winthrop is responsible for the fallacious concept that courts martial de "simple instrumentalities of the executive power", a concept he derived from misinterpretation of the pronouncement by the Supreme Court that courts martial had no connection with the federal courts mentioned in the third article of the Constitution and from the false analogy to British military tribunals. Winthrop's concept so pervaded the military minds that we find in 1919 a Judge Advocate General of

BS. 1925. United States Naval Academy; J.D. 1940, The George Washington University; conferred May 26, 1948.

the Army warning Congress that a proposed law to create a courtmartial court of appeal would so impair the executive power as to invite the Supreme Court to hold it unconstitutional! The concept also pervaded the Navy, and substantive changes in offenses were made in 1937 without legislative authority. It seems impossible to comprehend "government" without including judicial proceedings. Certainly to the founders of our country and to the authors of the Constitution, "gov-

ernment" did not exclude the judicial concept.

There is another source of authority for the issuance of regulations. The Constitution vests in the President the executive power and the title of Commander-in-Chief of the Army and Navy. His function as Commander-in-Chief or the Army and Navy. His function his naval subordinates, such orders as are necessary to enforce discipline in the Navy. His function as Executive empowers him, personally or through the Secretary of the Navy, to prescribe regulations, when required, for the proper execution of statutes relating to the Navy. regulations, which require no sanction from Congress, relate to enforcement and executive ment and execution. They cannot encompass matters of a legislative The office of Commander-in-Chief is a source of considerable and undefined powers. But a difference must be recognized between situations arising under Article I, sec. 8, clause 14 of the Constitution, and those arising under Article Is sec. 8, clause 14 of the Constitution, and those arising under martial law, military government, and the law of war. While the scope of his power as to the latter situations remains to be fully explored, the power to make rules for the government of naval forces resides in Congress. The judicial attitude becomes an important factor. The United States courts, however, are accessible to an aggricular accessible to a contract accessible to to an aggrieved accused person in the armed forces only through a few restricted remadies. restricted remedies. Since courts martial are not courts of the federal judicial system, the remedy of regular appeal which would be available from a lower civil country. from a lower civil court is not available from a court martial. are five possible remedies: (1) a suit for pay, illegally withheld, (2) mandamus, (3) certiorari, (4) writ of prohibition, and (5) writ of habeas corpus

The only effective remedy is habeas corpus, which was not a right nerally recognized in colonial. generally recognized in colonial America, but was grasped by the people following the Revolution To following the Revolution. The federal courts, like the British courts, limited their inquire to the limited their inquiry to the lack of jurisdiction of a court martial, not-withstanding that rights withstanding that rights guaranteed in our Constitution might actually. though not legally, be denied in a military or naval court having jurisdiction over the percentage of diction over the person and the offense. Congress passed an Act in 1867 allowing the courts to look to be the courts to be the courts to look to be the courts to b allowing the courts to look behind and beyond the trial record, but the courts continued to limit their inquiry as before in court martial cases.

They made no dissipation They made no distinction between the sources of British and American military law or between the sources of British and Farlishman military law, or between the vastly different concepts of the Englishman

and the American relating to the control of the armed forces. In order to fit the constitutional guarantees into the old concept of jurisdiction, the Supreme Court ruled that "jurisdiction" once acquired may be "lost in the course of proceedings" by a denial of Constitutional rights. This theory was recently applied to courts martial by some circuit courts, but not by others.

Congress could correct this reluctance of the courts to act, but until now the pressure of public opinion has been so slight as to go unnoticed. In World War I, when civilians were drafted into the Army, about 4½ per cent of our population was in uniform. Some hue and cry was raised following this war, and the public became somewhat conscious of the impact of Army justice upon citizen soldiers. A few minor changes were made in the Articles of War, the proponents of radical reform were suppressed, the citizen soldiers were demobilized, and the Public relaxed with the assurance that the war just won had been a war to end wars. Then came World War II, popularly called a "total war". Civilians were drafted into the Navy as well as into the Army, yet at the height of the conflict less than 9 per cent of our population was in Another and louder hue and cry was raised concerning the impact of military and naval justice, and a few more changes were made in the Articles of War. A bill to revise naval law died in the Con-Ressional Committees. In the next war of atom bombs, guided missiles, and bacteriological warfare, perhaps 50 per cent of the people will be in the services. At some point along the dangerous paths to the future, the Public must awaken to the necessity of reforming that law.

JURISDICTION AS TO CONSTITUTION OF NAVAL COURTS

General courts martial may be convened by the persons designated by statute and by officers of certain classes when so empowered by the Sectetary of the Navy. Such a court consists of from five to thirteen commissioned officers.

Summary courts martial may be convened by officers designated by statute, or by the Secretary of the Navy. Such a court consists of three officers not below the rank of ensign. A deck court, consisting of one commissioned officer only, may be convened by any officer who is authorized. to order either general or summary courts martial.

A naval court must be convened by a person empowered to do so, or it has no status as a court, but a recital of such power is sufficient.

There are fifteen classes of persons subject to trial by naval courts: 1. Persons on the active list of the Navy and Marine Corps, while terving in the naval service

2. Officers on the retired list of the Navy or Marine Corps, including Reserves

3. Enlisted persons on the retired list of the Naval or Marine Corps Reserve or on the honorary retired list with pay

4. Midshipmen

6. Reserve officers and enlisted persons, other than Fleet Reserve, of the Navy or Marine Corps, while on active duty, training duty, traveling to and from duty, or during such time as they may by law be required to perform active service, or while wearing the uniform

7. Public Health Service officers detailed for duty with the Navy

9. Former officers of the naval service dismissed in time of war by order of the President, who make written application for trial, setting forth under oath that they have been wrongfully dismissed

10. Discharged and dismissed persons, chargeable with having com-

- mitted fraud against the United States while in the naval service. 11. In time of war or national emergency, personnel of the Lealth Guard, the Coast and Geodetic Survey, and officers of the Public Health Service, when serving as a part of the Navy
- 13. All persons who, in time of war, come or are found in the capacity or spies, or who brings a little of war, come or are found in the capacity or of spies, or who bring or deliver seducing messages from an enemy, or who endeaver to an or deliver seducing messages from an enemy, who endeavor to corrupt any person in the naval service to betray

14. In time of war or national emergency, non-military persons accompanying or serving with naval forces outside continental United

15. In time of war or national emergency, non-military persons thin leased areas curvily within leased areas outside continental United States (except in certain areas) and under continental United States (except in certain States (except in certain areas).

areas) and under control of the Secretary of the Navy.

Jurisdiction normally terminates upon discharge, dismissal, or resignition. The more nation. The mere expiration of enlistment, however, does not dissolve the naval status and it the naval status, and if, prior thereto, the jurisdiction of naval law has attached, it is not discount by attached, it is not divested by the expiration of the contracted term.

Article 14 of the Articles for the Government of the Navy purports to make discharged and dismissed persons amenable to trial by courts martial for fraud against the life of the naval service. Article 94 of the Articles of War carries a similar provision for the Army. These for the Army. These persons are civilians. The constitutionality of these statutes was questional by Mr. these statutes was questioned by Winthrop, and was denied by a federal district court in 1016. The district court in 1946. They appear to be clearly unconstitutional, as violative of the rights of civil spears to be clearly unconstitutional sixth violative of the rights of civilians guaranteed by the Fifth and Sixth Amendments.

Jurisdiction over prisoners of war was conferred by treaties, rather an statute. Spice much spice of war was conferred by treaties, rather than statute. Spies must be caught clandestinely carrying out their mission of seeking information in the zone of operations for transmission to the enemy. The concept of the "zone of operations" has been greatly enlarged since 1907, because the methods of warfare have changed. Civilians made amenable to naval law by statute are those outside the areas where the Fifth and Sixth Amendments apply, so that this statute is unquestionably constitutional. When such a civilian becomes aligned with a military enterprise, he becomes subject to naval law, and his actual employment by the Navy is not an essential element.

JURISDICTION AS TO PLACE

The general rule is that offenses against naval law, wherever committed, are triable by naval courts, although there is no express provision of statute covering the rule. Jurisdiction of the offense of murder, however, is expressly limited to murder committed "without the territorial jurisdiction of any particular state, or the District of Columbia, bia". The comparable Article of War uses the words "geographical limits." There is a difference in the meanings of these words. A federal reservation within the limits of a state may be under concurrent federal lutisdiction, and state courts can take cognizance of offenses there. The Navy cannot try murder committed there. The jurisdiction over murder committed on the "high seas", which includes water on the seacoast beyond the low-water mark, is, up to the 3-mile limit, under both federal and state jurisdiction. Since the jurisdiction of a naval court and that of a state jurisdiction. Since the jurisdiction of a state court over the place where murder has been committed are mutually exclusive, a naval court cannot lawfully try murder committed on board a vessel within a state's 3-mile limit. The Navy, however, has consistently denied the jurisdiction of state courts over naval vessels within the admittedly territorial limits of a state.

JURISDICTION AS TO TIME

Since naval courts do not depend upon a state of war or emergency for their jurisdiction, except as to certain acts or omissions which beone offenses only during wartime, and except as to certain persons who are subject to naval law only during war or national emergency, the jurisdiction of naval courts is restricted in point of time only by the operation of naval courts is restricted in point or time of the statute of limitations. The general rule is that no person can be tried by court martial for an offense which appears to have been committed more than two years before the issuing of the order for such trial. The rule applies to all offenses except desertion in time of peace, which has a special rule that the two-year period does hot begin to run in the case of an enlisted person until the end of his tetm of enlistment. This is an anomalous double standard as to offenses. Chon it is superimposed a second double standard as to persons, since, as to office superimposed a second double standard as to persons, since, as to officers, the two-year period begins to run from the date of desertion in peace or war.

JURISDICTIONS AS TO OFFENSES

The present jurisdiction of naval courts as to offenses must be found in the statutes, since no provisions of treaties enlarge that jurisdiction. All offenses triable by court martial are known as military offenses, but offenses should be classified as exclusively military and not exclusively military because as to the former courts martial have exclusive jurisdiction and tion and as to the latter concurrent jurisdiction. To compile a list of these offenses, it is necessary to understand the principle of double jeopardy and the significance of lesser and included offenses. It is also necessary to accept, to a great degree, the naval definitions of offenses, since, by statute, some are specified without being defined, and some are not even specified.

Double jeopardy has been a problem to the civil courts. It was not until the landmark case of Grafton v. U. S. in 1907 that the principle of double jeopardy was applied to courts martial, and as late as 1911. it was believed that none of the constitutional guarantees of the Amendment applied Amendment applied as a matter of law to persons in the naval service.

What constitutes jeopardy was first determined by the common law at the time the Constitution was adopted. That law forbade a second trial whether or not the accused had suffered punishment, or had been acquited or convicted as acquired as convicted as acquired as acquir acquited or convicted. The Supreme Court laid down a rule that a person had been in jeopardy when he was regularly charged with crime before a competent tribunal. The effect of a defective indictment posed

There is a fundamental difference between the review of naval courts martial and the appeal of criminal cases in civil courts. The court martial record is reviewed in what the Navy sometimes terms an matic appeal", without any request of the accused. During this review, a fatally defective a fatally defective specification may be discovered, but the accused cannot be said to have tall be said to have taken any action from which a waiver of his constitutional protection may be discovered, but the accused to the said to have taken any action from which a waiver of his constitutional protection. tional protection may be implied. An order for a new trial, issued upon the initiative of the initiative of reviewing authorities, violates his rights. Present regulations direct a record latons direct a second trial, with defects in the specification corrected.

In searching for the meaning of "same offense", the civil courts have olved various theories. evolved various theories, none of which seem complete. The test most often cited is known often cited is known as the "same evidence test", found in Morey v. Commonwealth and used by the Supreme Court. But the test is not sufficient, because it its sufficient, because it disregards the elements of the offenses charged, and overlapping elements which overlapping elements which, in themselves, constitute a lesser included doctrine.

Bishap was a constitute a lesser doctrine. offense. Bishop was an advocate of the "same transaction" doctrine, that "same offense" is that "same offense" is equivalent to the same criminal act. He has been quoted by the course has been quoted by the courts but his view has not generally prevailed. have recognized as an exception the "included offense" doctrine, that one offense may necessarily be a superior of the superio offense may necessarily include the other in fact as well as in law.

inclusion in law makes necessary the consideration of five types of cases: 1. All elements of one count are entirely included among the elements of the other. After one trial, the second is barred.

2. The elements common to both counts constitute in themselves an

Offense. After one trial, the second is barred.

3. The elements common to both counts do not constitute an offense.

Trial for one is no bar to trial for the other.

4. The second count includes all the elements of the first count, but also alleges an aggravating element which did not intervene until after the first trial. If the greater offense is tried first, it bars the second trial. If the lesser is tried first, it bars the second trial unless, at the time of the first trial, the aggravating elements had not been consummated.

5. No elements in common, although both offenses were committed in the same transaction. Trial for one is no bar to trial for the other.

In the court martial system, an accused is tried in a single trial upon all the charges and specifications against him. In such a trial, the rule against double punishment still applies. The true meaning of "same offense" appears to demand the following rule:

Whether there are successive trials, or a single trial on several charges or specifications, the plea of double jeopardy lies

1. If the offenses alleged have an offense in common 2. If the relation between the offenses alleged is such that, by law or Precedent, the court is authorized, for any reason other than that one ofignese is included within the other, upon trial of one offense to conviction of the other

3. If the pleader could have alleged in a single specification what appears in two or more specifications, without duplication other than of persons or things.

The unspecified offenses against naval law are derived almost wholly through the language of the "general article", Article 22(a) of the Articles for the Government of the Navy. Much depends upon the intended intended meaning of that article, yet little is known of the intent of Con-Rtess in enacting it. Different conclusions respecting it have been reached to enacting it. teached by the Supreme Court and the Attorney General. These two Conclusions were reached from entirely different approaches and from different points of view.

Dicta of the Supreme Court found its way into the Navy's Manual, and was used to cover offenses which it would have been beyond the lower of Congress expressly to enact. The basis for assertion of courtmartial jurisdiction under the general article should be examined under

^{1.} Violations of international law 2. Violations of federal law

- 3. Violations of local orders or regulations
- 4- Violations of custom

The law of nations is a part of our criminal law only to the extent that it has been recognized by the Constitution or declared by statute. Offenses in the Federal Criminal Code are most certainly covered by the general article. So are offenses committed on federal reservations within states which violate state laws which were in force February 1, 1940, because under the Assimilative Crimes Act they become federal offenses. The issuance of lawful local orders and regulations is within the executive power, and their enforcement by courts martial could logically have been contemplated by Congress in enacting the general article.

Many offenses tried by naval courts are based upon custom. Custom grows out of acts long continued, certain and uniform, compulsory, consistent of general sistent, of general application, well known, and not in derogation of formally created law. formally created law. Any so-called custom which disregards the nature of the acts involved in of the acts involved is misnamed. The most prevalent fallacious concept in the Name of the cept in the Navy is that which holds non-violation of any law to be custom. It punishes breach of that "custom" without regard to the act involved, the violation in the state of involved, the violation itself being considered the gravamen of the offense. Although the offense. Although there is no common law of the United States enforceable as such in the forceable as such in the federal courts within the states, there is no restriction on the news of restriction on the power of Congress to adopt by reference a body of existing law and to make it existing law and to make it applicable to the armed forces. Such common law as was in forces. mon law as was in force in the various states in 1874 fulfills all the requirements of customer of customer court requirements of custom. It has been held by the Supreme Lit upon applicable to the Army. Acts which in their nature bring discredit upon the service have been armed the service have been punished since the establishment of our traced services. Such acts and acts are services. services. Such acts appear to be the only offense which can be traced to the Court of Chivalent to the Court of Chivalry of the days of Knighthood. In prosecuting officers, the charge "Conduct the days of Knighthood." officers, the charge "Conduct unbecoming an officer and a gentleman" is used. The basis of this charge is a second of the se used. The basis of this charge is truly custom, but it has held to cover practically any misconduct by the status practically any misconduct by an officer, whether related to his status in the service or not. It has been a which in the service or not. It has been used to allege a variety of acts which are neither disgraceful are neither disgraceful nor offenses under any law or custom. If "offenses" in the Navy's "offenses" in the Navy's general article actually covered all the acts to which the Navy applies the which the Navy applies that article, there would be grave doubt as to its constitutionality, because its constitutionality, because it is not clear and definite, and fixes no standard of conduct

There are some "offenses", apparently held punishable wherever comitted, which have been in mitted, which have been incorporated into the Navy's manual with no legislative authority. legislative authority to support them. By the process of elimination, they must rely upon the them. standard of conduct. they must rely upon the theory that they violate custom, yet no custom

that term has been defined, fits them. Some of these are federal crimes only when committed in specified places or under certain conditions, like extortion and seduction. Some are not based even in part upon statute, and are not considered to be restricted by any theory of law, such as blackmail, bribery, disorder, and housebreaking. Typical of the expansion of the scope of offenses by executive action is the Present naval offense of embezzlement of private proprty, which was made the subject of a specific charge in 1937 without legislative authority. Pleas to the jurisdiction on the ground that the offense alleged has not one cognizable by naval courts have been summarily overruled. Another change made in 1937 was the making of a specific charge of "Carelessly endangering the lives of others", with no definition whatever. There is no parallel in non-service criminal law.

The civilians which are subject to naval law can be tried for all haval offenses except those of such a nature that they can be committed only by naval personnel. It is clear that Congress intended to give to the Navy a comparable jurisdiction to that which had been given to the Army. Such civilians may be tried for desertion, disobedience of orders, and even for violations of the general article. These military offenses are chargeable against civilians as well as against persons with naval status. Wherever a duty may be lawfully placed upon a civilian, he is

triable by court martial for its breach. General courts martial have a jurisdiction over offenses co-extensive with naval law. Summary courts martial try offenses deserving of Dunishment intermediate between that of a general court martial and the power of a commanding officer. They can impose a bad-conduct discharge, and offenses involving moral turpitude are tried by no lesser court. Deck courts try the minor offenses such as unauthorized absence, which fall within summary court-martial jurisdiction. Offenses are scaled, not according to their natures or elements, but according to the to the adequacy of the punishment which, in the opinion of the convening authority, conviction would warrant; and the forum selected will be the lowest naval authority or court empowered to impose that adequate



SUMMARIES OF DISSERTATIONS
SUBMITTED FOR
THE DEGREE OF DOCTOR OF EDUCATION

1947 and 1948



GUIDE TO THE PREPARATION OF AN OCCUPATIONAL MONOGRAPH

by MAX FRANK BAER .

PURPOSE AND PROCEDURE

The primary purpose of this dissertation is to offer a guide to those Preparing occupational monographs. An occupational monograph describes a single occupation or occupational field from every standpoint considered significant in career planning. The dissertation may also be helpful to vocational counselors and librarians who are called upon to evaluate occupational literature.

This study begins by describing briefly several ways of presenting the results of occupational research: (1) general occupational surveys, (2) industrial studies, (3) specific data studies, (4) community occupational surveys, (5) employment problems surveys, and (6) occupational monographs. The criteria or general characteristics of an adequate

occupational monograph are indicated.

The dissertation is developed around the framework of an occupational outline, the major items of which are: Nature of the Work, Size and Distribution, Outlook, Personal Requirements, Preparation, Working Conditions, Outlook, Personal Requirements, Conditions, Economic Returns, Occupational Relationships, Entry into Occupations, Economic Returns, Occupational Returns of Further Inlormation. Methods and techniques of conducting research are set forth for each of these items in a separate chapter. There is discussion of the of the significance of each major item and sub-item in the occupational Outline, the development of research relevant to each, and the advantages and limitations of specific research procedures.

The dissertation is based in large part upon books, pamphlets, reports, teleases, articles, and other documents of public and private agencies engaged in occupational research. It is based in part upon the writer's nine years of experience in directing occupational research. Appropriate portions of the manuscript were reviewed by research experts in the Bureau of Labor Statistics of the United States Department of Labor, the Occupational Analysis and Industrial Services Division of the United States Employment Service, and the Bureau of the Census. Helpful suggestions made by these technicians were incorporated into the final

NATURE OF THE WORK

Three approaches to the nature of an occupation are job analysis, questionnaires, and personal interviews. Ideally, such information should obtained at its original source—the job. In most cases authors of Pabruary 22, 1947. Creighton University; A.M. 1942, Columbia University; Ed.D. conferred

occupational monographs can make use of the job analysis reports of the

United States Employment Service.

There is a natural tendency on the part of workers to "upgrade" themselves in describing their jobs, and employers frequently under estimate the level of skill and responsibility required by a job. The most adequate approach is a combination of observation of the job and interviews of workers, supervisors, employers, etc. Job analysis is not practical for certain occupations, the nature of which must be ascertained through questionnaires and interviews, preferably the latter.

SIZE AND DISTRIBUTION

The chief reason for seeking data on the number of workers engaged in an occupation is its value in pointing to replacement opportunities. This purpose is served more specifically when the number of workers can be broken down according to sex, race, specialty and function, places of employment or industry, and locality.

Data of this type may be sought from employers or workers. approach may be through personal interviews or questionnaires.

coverage may be complete or a sample.

A survey of employers misses workers who are self-employed. difficult to reach the smaller firms. Some employers are prone to deflate the jobs in their establishments, while workers tend to inflate them. If sampling techniques are employed, great care must be used in developing a representative sample and in making allowances for omissions. workers are interviewed directly, the information is at least as reliable as that obtained from employers. The cost is very great, particularly if there is a complete enumeration. In addition, the interviewers used for a complete enumeration of workers are usually less competent. Whenever occupational data are sought through interviews, accuracy depends largely upon the quality and training of the interviewers, the thoroughness of the interview, and upon the information in the possession of the record sion of the respondent, especially if he is not the worker himself but a member of his household. Questionnaires, whether sent to workers or employers, involve less cost and can reach individuals not readily available for personal able for personal interviews. On the other hand, the proportion of respondents may be low and the likelihood of inaccurate responses is

The United States Census of Population is the principal source of data on numbers of workers in occupational groups. The sampling enumeration of workers, such as that undertaken by the Bureau of the Census in 1940, may offer the most practical procedure for obtaining information on the complete state of the information on the number of workers in the numerically significant occupations. Sampling methods may be unsatisfactory for smaller occuPations or for smaller communities. States and localities are encouraged to make their own enumerations of workers under the guidance of the Bureau of the Census between federal census periods.

OUTLOOK

Occupational outlook is determined by relating the demand for Workers in an occupation to the supply of such workers. Past trends in the demand for workers in the occupation offer a rough guide to future demand. More refined outlook studies require analyses of the causes underlying past trends. Occupational outlook research must proceed from studies of the total demand for workers, to demand by industries, to occupations. In order to estimate total future demand for Workers, it is necessary to study the complete cycle of economic activities, including income, demand for goods and services, production, and employment. A study of inter-industry relationships results in estimates of the distribution of total demand for employment in specific industries. Estimates of the levels of employment to be expected in specific occupations are dependent upon a knowledge of the occupational composition of different industries at specified levels of production.

The demand for workers in many professional and service occupations is more or less independent of production levels in any industry. Porecasts of the demand for workers in such occupations must begin with a study of past trends and consider a variety of factors that are likely to influence future trends, such as legislation, acts of God, deple-

tion, age composition of the population, tastes, and styles. In estimating the supply of workers in an occupation a given number of years hence, it is necessary to determine the difference between those who are now engaged in the occupation plus those likely to enter it within the now engaged in the occupation plus those likely to enter it within the time span studied and those who are expected to leave the occupation within the same time period.

The most significant research on occupational outlook is being done by the Occupational Outlook Division of the Bureau of Labor Statistics. tics. Many professional societies are doing useful work of this kind.

PERSONAL REQUIREMENTS

Among the personal requirements specified by employers are (1) mental: aptitudes and special abilities, character and personality traits; (2) physical: sex, age; and (3) citizenship: race, religion, and na-

Information on physical, sex, and age requirements is less difficult to obtain than information on the other points. Job analysis offers the thost reliable method of getting data on physical requirements, since the analyst control of getting data on the worker. Supanalyst can see the actual physical demands made on the worker. Supplementary information given by the worker himself enables the analyst

to verify what he has observed. However, such data may not be entirely in agreement with job specifications of employers, which must also be taken into consideration.

Information on sex requirements may be obtained through United States Census reports, through job analysis, and through studies of employer excellential ployer specifications. The chief limitation of census data is the ten-year interval between enumerations, during which changing economic conditions may alter the pattern of demand for women workers. tions of the proportion of women employed in a given occupation in an establishment may likewise obscure a recent change in the demand for women workers. Job specifications represent the most realistic sources of information of this type. All of the sources suggested here should be tapped to obtain as complete a picture as possible of sex requirements for different occupations.

The United States Census is of somewhat less value in determining age requirements than it is in determining sex requirements. A high median age of workers in an occupation may reflect a breakdown of training programs rather than employer discrimination against younger workers. Observation of workers is subject to the same limitation. The actual specifications of employers are the most reliable sources of in-

formation on age requirements.

It is much more difficult to obtain information on the mental aptitude and special ability, character, and personality requirements of occupations. There is no general agreement as to what these traits are and what they mean Simulations. what they mean. Since there is a wide range of scores in measurement of traits for an occurrence. of traits for an occupation, the use of minimum scores is warranted.

Testing of workers Testing of workers in a given occupation has become an increasingly important technique. important technique. The technique, however, is no better than the instruments of measure instruments of measurement; and, though much progress has been made in the development of in the development of mental tests, the field of aptitude testing is still in its infancy, and in its infancy, and even less can be said which is favorable to so-called personality tests. personality tests. Rating of workers' characteristics by job analysts is another useful approach another useful approach, when trained and competent job analysts are employed and when the employed and when there is a composite of the estimates of a sufficiently great number. ficiently great number of ratings. The "halo" effect is one pitfall. Another is the discrepance other is the discrepancy between the judgments of raters and the actual specifications of employees specifications of employers. Employer specifications, though often unrelated to the interior related to the intrinsic requirements of satisfactory occupational performance. formance, are significant indicators of the kind of workers employers actually hire. actually hire. Frequently a group of workers in an occupation in a given establishment makes high test scores on traits that are not significant in relation to the nificant in relation to the requirements of the occupation itself. other hand, even job specifications do not always reveal the prejudices and preferences that govern actual hirings.

The United States Census, by showing the distribution of workers in occupations by race, is the best source of information on race requirements. However, economic changes occurring between census periods may result in important changes in the pattern of employment by race. Employment agencies are another source of information on racial re-Quirements. However, many agencies are unwilling to divulge information of this character, and statements made by the agencies in some instances are colored by their own prejudices. Restrictions with regard to the employment of aliens may be ascertained in part through an examination of statutes. Of course, there are prejudices against the employment of aliens independent of statutes. In so far as research problems are concerned, these fall in the same category as religious and nationality factors. Few employers will reveal their hiring practices through questionnaires. More, though not many, will be candid in a Personal interview skillfully conducted under proper auspices with a Promise of anonymity. Follow-up studies of school graduates or job applicants may yield valuable information, though the objectivity of respondents is not assured.

PREPARATION

An occupational monograph should state the general education required and considered desirable for admission to special training, for licensure, and for employment. Accrediting associations, professional societies, and labor unions are important sources of information, though their knowledge in these respects is generalized. Facts on licensure in a given state indicate the general education required for admission to special training, applicant for special training. Questionnaire surveys of employers products are obtained through personal interviews of employers, though occupation.

A section on special training required and considered desirable should be a part of every occupational monograph. Professional societies and may be helpful in this respect, though their own curricula are often at agencies are familiar to a considerable extent with such requirements. The most recent and most realistic information, with interviews preferred considerable of accuracy.

Catalogues of training institutions indicate requirements for admission special training. However, they state only the minimum requirements

and not additional qualifications significant in gaining admittance to schools. Personal interviews of school officials are very costly, since information is needed about specific schools and not a sample of schools. If interviews are conducted on a sample basis, young people will know only the general pattern of admissions practices. Questionnaire surveys can be conducted more economically and more complete coverage can be sought. However, neither questionnaires nor interviews will elicit information which the schools consider confidential. The most objective approach to facts of this character is through follow-up studies of young people applying for admission to training schools.

Professional societies can give general information on the capacity and enrollment opportunities of schools in their field of work, though they do not have the facts on specific institutions. Veterans' education information clearance services were established in 1946 in many states, generally in state departments of education. They may develop into sources information for all prospective students. The Federal Apprentice Training Service has made a beginning in obtaining data on apprenticeship

Information on schools offering special training may be obtained from the many directories that are being regularly published and revised.

Professional societies are often able to supply up-to-date lists of training institutions.

Some of the directories also contain data on the financing of education and training, although the information becomes dated quickly in a period of rising prices. Professional societies can offer generalized information only.

Information on the importance of postgraduate study may be sought through a questionnaire study or interviews of a sample of employers. Studies of the educational backgrounds of professional workers are helpful in this respect, if the data are correlated with the ages of the workers.

Professional societies and labor unions can give general advice on the practical experience required and considered desirable for entry and success in an occupation. Training institutions may make helpful suggestions, though they are frequently out of touch with the actual requirements of employers. Employment agencies are more likely to be familiar with employer specifications. Workers may be queried, but there may be a tendency on their part to exaggerate the experienced requirements of their jobs. Studies of the work histories of experienced workers should indicate entry and intermediate jobs leading to endead ployment in the occupation. The most reliable information is obtained from employer specifications.

WORKING CONDITIONS

Among the factors that may determine career choice are physical, Psychological, and social conditions of work; hours of work; and vaca-Both employers and employees are sources of information on Forking conditions. However, the former may tend to conceal or minimize dangerous or unpleasant conditions of work and the latter may be prone to exaggerate unsatisfactory conditions. Better responses can be obtained through interviews of a sample of employers, supervisors, and workers, but the cost will exceed that of a questionnaire survey and the information obtained will not be wholly objective. Actual observation of working conditions by job analysts, supplemented by the interviews, will result in the most objective data. Interviews of officials of labor unions and professional societies represents a short-cut, though the information obtained in this way is not likely to be sufficiently detailed.

The most logical approach to information on hours and vacations is through questionnaire surveys of a sample of employers in the occupalion. Interviews for this type of data are unnecessary, since employers Renerally can make it available readily through written responses. The same information may also be sought from workers, but the responses not be so accurate. Unions and professional societies are familiar only in general with hours and vacations, unless inquiries are addressed to local units.

ECONOMIC RETURNS

Regularity of employment is an important factor in determining the income of a worker. Analyses of cyclical changes in employment are bound up with outlook studies. Studies of seasonal variations in employment are based largely on reports of industrial establishments. Employers are a better source of information than workers, since they are more likely to keep records of employment levels from month to month. Few likely to keep records of employment levels from meaning individuals or organizations have the resources to study seasonal variations in employment.

Studies of hourly wage rates alone are of comparatively little use in vocational guidance, since they overlook overtime pay and loss of pay through irregularity of employment. Studies of weekly or monthly tarnings may include overtime pay, though they may also not reflect Oclical or seasonal unemployment. Theoretically, studies of lifetime trinings are of the greatest interest in vocational guidance. However, it is extremely difficult to plot earnings three or four decades ahead.

Earnings should be correlated with years of experience, levels of trainings should be correlated with years of experience, becific daize of community, region, specialty, function, and sex. Only therific data of this kind have meaning in vocational guidance. In calculating earnings, authors of occupational monographs should

avoid the use of arithmetic averages for occupations in which dispersions from the middle are great. An indication of median earnings is likely to be less misleading. The most useful procedure is the presentation of a comprehensive picture of earnings by deciles or quartiles.

One approach to information on the earnings of industrial workers is through questionnaires sent to the workers. However, this involves a great deal of unnecessary procedure, since the data are regularly supplied by expolery plied by employers to government agencies. Unions are another source

of data on earnings of industrial workers.

Data on self-employed and professional workers are contained in United States Census reports. However, the figures are obtained only once in ten years and none are available for persons with incomes above \$5,000. The principal difficulty in getting information on earnings of self-employed and prefer the self-employed and prefer to the self-employed and prefer t self-employed and professional workers is the preparation of lists of workers representative of the occupations. Use of lists of members of professional societies introduces an upward bias. Lists of school graduates are not representative ates are not representative, unless they include graduates of a representative number of o sentative number of institutions. Placement agencies and training institutions are able to indicate beginning salaries in many occupations,

An occupational monograph should indicate the relationship of the cupation to other binds be occupation to other kinds of work. Occupational relationships may be horizontal or vertical Polynomial polynomial which horizontal or vertical. Relationships are shown in job families, in the group occupations on the basis of work performed; similarities in the use of machines, tools, and use of machines, tools, and materials; the kinds and degrees of accuracies required; and the traits required; and the traits required of the worker. The development of job families therefore job families therefore presupposes a detailed knowledge of jobs. For many occupations the ich many occupations the job analyses and resulting occupational relationships developed by the III ships developed by the United States Employment Service will serve authors of occupational authors of occupational monographs. The results of this research are detailed in the Dictional detailed in the Dictionary of Occupational Titles, in the Job Descriptions, and in the Job Percil tions, and in the Job Family series. Studies of the work histories of experienced workers are experienced workers are needed to chart the usual path of advancement in an occupation since the in an occupation, since the vertical relationships established as a result of job analysis are theoretical of job analysis are theoretical for many occupations.

State and local regulations govern entry into many occupations, formation on licensus and local regulations govern entry into many occupations. Information on licensure and certification requirements may be obtained from appropriate department. from appropriate departments of state capitols and city halls. national offices of professional societies and labor unions can provide only general information but a labor unions can provide only general information, but their local branches are sources of local information.

Since unions and professional societies are assuming increasing im-Portance in relation to occupational entry, pertinent facts about the societies and unions should be included in occupational monographs. Such information may be obtained directly from the groups through questionnaires. However, information on admission practices is frequently confidential, and, if it can be obtained at all, must be sought through interviews with a promise of anonymity.

Information on the placement pattern of an occupation may be obtained from employers. However, they do not always keep records as to the proportion of workers who are employed as a result of recommendation ommendations by schools, referrals by public employment offices, newspaper advertisements, direct applications, etc. Questionnaires sent to a tandom sample of new workers in the occupation or follow-up studies

of school graduates will get the desired information. The extent to which workers enter a skilled trade through formal apprenticeship and via the helper route may be learned through questionnaire surveys of a representative sample of employers or workers. Some unions would give biased answers and the data supplied would not be complete.

ADVANTAGES AND DISADVANTAGES

A section on the advantages and disadvantages of the occupation serves as a summary of the factors considered important in career choice. It also serves to impart information not previously introduced. In preparing such a section, authors of monographs should be particularly emphasis on positive larly careful of objectivity, specificity, and relative emphasis on positive and negative aspects of the occupation.

Sources of Further Information

Every occupational monograph, however comprehensive, should indi-Cate sources of further information. It should list pertinent professional societies, labor unions, or trade associations. A number of directories are sources of such information. A list of printed materials are sources of such information. A list or printed after evaluation of such material to the occupation should be included after evaluation of such indexes to such literamaterials. There are a number of guides and indexes to such litera-A monograph should also indicate the government agencies that A monograph should also indicate and prepared to offer information on the occupation.

PREPARATION OF AN OCCUPATIONAL MONOGRAPH

It will be apparent to anyone who reads this dissertation or the haterials cited in the footnotes and bibliography that occupational tescarch consists of a number of specialties. Original occupational lesearch is becoming increasingly the province of specialized agencies, particularly becoming increasingly the province of specialized agencies have Particularly governmental. Few individuals or private agencies have

the resources with which to engage in research of this character. When they undertake to prepare an occupational monograph, the work generally consists largely of secondary research. Occasionally two or more agencies with limited resources collaborate in important occupational studies. Individuals and smaller organizations have been responsible for experimental research of a specialized nature which has become the basis of the more comprehensive research now being done by governmental agencies.

TEACHER EDUCATION IN INDUSTRIAL ARTS WITH SPECIAL EMPHASIS ON EVALUATIVE CRITERIA

by RALPH ORA GALLINGTON .

PURPOSE

Since 1930 there has been considerable interest in the improvement of teacher education in the United States. Fact-finding studies have revealed a number of issues which have given impetus to research in the form of experimentation, demonstration, and evaluation in institutions and curricula for the education of teachers. By this study an attempt was made to develop evaluative criteria of industrial-arts teacher education, with particular consideration to secondary school teaching.

LIMITATIONS

Industrial arts has often been defined and described by leaders in all branches of education. A review of these definitions yielded evidence that review of these definitions yielded evidence that most educators agree on the general character of the work; but the aims, purposes, and scope have been interpreted in various ways by these purposes, and scope have been interpreted in various and in order to facilitate the progress of this study, and in order to facilitate the progress of this study, and in Order to give direction to it, certain definitions have been developed. The definition of secondary school industrial arts was stated as follows:

Industrial arts in the secondary schools is a body of subject matter dedicated to the development of understandings as well as skills in the uses of taw materials, tools, and machines of industry. It requires practice or drill the in the use of many different tools, and the application of many industrial processes, in order that the student may satisfy his interest and characters and characters are his aptitude and capacity for industrial activities. One of its executest contributions to students of all levels is the kinesthetic training it affords. Most of all, industrial arts must be considered in terms of its part in the development of understandings for the complicated industrial society in which makes the complicated industrial society in the complex control of the control of th which we live, but these understandings are not necessarily intended as a preparation for any particular occupational pursuit. The very nature of industrial industrial arts is its flexibility in giving the student the thing he needs most with respect to his capacities for the offerings.

THE SPECIFIC OBJECTIVES OF INDUSTRIAL ARTS

A review of the literature revealed that it is common practice to list review of the literature revealed that it is common practice all kinds objectives for industrial arts which apply in varying degrees to oil kinds of education. Actually, specific objectives seemed to be few in humber but extremely important to this research study. As a basis for invasor extremely important to this research study. this investigation, and in terms of the author's own concepts, specific investigation, and in the street were stated as follows: To develop the kinesthesis in connection with learning.

November 11, 1947.

To develop understandings and skills in mechanical drawing—the

To develop interests in and an appreciation of the many processes and universal language of industry. operations in industry connected with the production and distribution of goods.

To develop interests in and an appreciation of good workmanship and

design of past and present civilizations.

To develop self-confidence in the manipulative tasks which dominate

the lives of persons in an industrial society.

A study of recent research in the field of industrial-arts teacher education further revealed that this particular phase of teacher education has many of the same problems and issues as other phases.

American Council and Total Council and the phases of teacher than the phases of teacher than the particular phase of the phase of the particular phase of the phase of the phase of the particular phase of the phase of the particular phase of the phase of t American Council on Education Studies,* nine issues were selected for particular consideration in this study. They seemed to cover the common issues in industrial-arts education and were chosen as follows:

The objectives of teacher education need thorough revision and

Prospective teachers possess a very inadequate understanding of child restatement.

Means of attracting and selecting better students in the institutions nature and its implications for learning.

for the education of teachers should be developed.

Members of the staff in teacher education institutions often lack essential preparation and an understanding of education.

Teachers, especially secondary school teachers, often lack adequate

preparation in the subjects which they teach.

Too many teachers enter service with inadequate experience in practice teaching.

Teachers are inadequately prepared for creative activities in the conduct of their work.

Teachers lack understanding of other educational agencies in the com-

Teacher education institutions often lack contact with the social and ucational problems of the munity with which they should cooperate.

educational problems of the schools within their region.

In developing preliminary criteria of a good industrial-arts teacher-ucation program education program, many sources of information were tapped. and literature in the fields of literature in the fields of industrial education, teacher education, and secondary education was a full literature. secondary education was carefully examined. Authorities in these three fields were consulted and all the secondary education was carefully examined. fields were consulted, and advice was freely given. The preliminary criteria were also based on a considerable background of experience in industrial arts on the hint industrial arts on the high school level and in industrial-arts teacher

^{*} Major Issues in Teacher Education, American Council on Education, Studies, Series I, Volume II, Number 4 (Washington: American Council on Education, 1938).

education on the college level. An attempt was made to develop criteria which would measure a good program; but in the early stages of their development, it was discovered that reliability would depend upon a wide sampling of expert opinion. Therefore, preliminary criteria were pre-Pared for the judgment of a larger group of specialists.

As the first step in the validation procedure, criteria in preliminary form were judged by fifty-two specialists. These critics were selected upon the basis of their experience and upon the national recognition which had been given them for their outstanding achievements in one or more of the three fields embraced by the study. As a result of the Judging it was evident that the criteria needed revision. This was accomplished in conformity with the outstanding opinion as indicated by the tabulation of responses made by the jurors.

Validity was established further by checking the criteria with outstanding practices in superior departments or divisions offering industrial-arts teacher education. A check-list of questionnaire type was used to determine outstanding practices. Twenty department heads and directors supplied information called for in the check-list and as a result it was necessary to make some additional but minor changes in the

revised criteria. This produced the criteria in final form. inasmuch as the check-list had provided a means to determine the Outstanding practices in superior schools, it was decided to use it as a basis for preparing instruments of evaluation. In its original form, the theck-list was not only the measure of outstanding practices; it was also a measure of other practices. Therefore, it was revised but was kept the check-list form for ready application to programs of industrial-arts teacher education. The revised check-list should measure, to an unrated degree, the relative conformity of selected programs with the superior ones examined. No attempt was made to give value to items in the list, nor to establish norms for the entire check-list as revised. It is believed, however, that the criteria and instruments of evaluation will measure superior programs to a reasonably high degree.

CRITERIA OF A GOOD TEACHER-EDUCATION PROGRAM IN INDUSTRIAL ARTS

CRITERION I

There should be objectives which determine the educational program of industrial-arts teachers; they should be thoroughly and precisely uated stated; and they should be completely understood and agreed upon by a large percentage of those persons responsible for and concerned with

The program should be determined by objectives. Specific objectives should govern the organization for efficient operation. They should give direction to the organization of the program, and

to do so they should be specific rather than general in nature.

From the suggestions made by department heads and from the sample objectives examined, it seemed advisable to have copies of objectives prepared by some quick-duplication process, thereby making it possible

to provide wide circulation soon after revisions occurred.

Initiative for getting key people interested in industrial-arts teacher education probably lies with the department head or director. In order to get effective assistance and cooperation in establishing objectives. doubtless he will have to call discussion meetings; invite outside interested persons to participate in discussions or give short talks; and stand ready to present his own problems before other groups.

The specifications needed to satisfy this criterion follows:

I. Without conflicting with the principles of industrial arts, objectes should be in tives should be in accord with and reinforcing to the philosophy and objectives of the school or college in which the program is established.

Coordination of effort toward common goals is necessary for maximum accomplishment. Understanding of the total training of industrial-arts teachers should be fairly consistent among departments cooperating within the institution.

2. Objectives should be stated briefly but should give full coverage to all phases of the educative processes and problems in the program.

If practical use is to be made of them, objectives should be attain-

able. They should reflect the purposes of the program.

3. Objectives should cover selection, orientation, general education, ajor-field preparation major-field preparation, and professional education of industrial-arts

4. Objectives should be stated in terms of teaching skills and understandings as well as in terms of subject-matter skills and understandings.

Subject-matter should be Subject-matter should be used as a means to an end—the develop-

ment of a good teacher-not as an end in itself.

5. Objectives should indicate professional education sufficient to need e needs of a hegipping and

The teacher entering the profession cannot be considered a finished oduct, but he should be product, but he should have a foundation of education which will need to him to grow normally under proper supervision. Since he will need to continue his professional education for many years, the institution should keep this in mind and encourage him to plan accordingly.

6. Objectives should include the development of adequate knowledges

and skills inherent in the basic industrial arts.

The teacher should have a satisfactory command of the subjects he aches, including the accessor teaches, including the necessary knowledges and skills.

7. Objectives should indicate goals for the development of leadership ad administrative skills in the development of leadership. and administrative skills in students.

The special nature of industrial arts demands that the teacher have abilities in industrial management, not especially involving production but rather shop administration and foremanship organization.

8. Objectives should specify learning experiences leading to effective

cooperation in various secondary school curricular programs.

The organization of curriculum material varies from school to school. The core curriculum, as distinguished from the correlated curriculum, may be cited as an example. Nevertheless, it is desirable that industrial arts be an integral part of whatever program is involved.

9. Objectives should be influenced by the cooperative action of instructors and administrators from inside as well as outside the institution.

Those who are to be guided by the objectives should have an active Part in their origin and revision, because the objectives should be formulated lated as a result of a concerted effort to select the best of all the ideas of all the persons concerned.

10. In addition to constant evaluation, objectives should be revised as

Developments in the fields of technology, psychology, teaching, and learning should have effect upon the objectives.

CRITERION II

The teaching field should be characterized by breadth although practical teaching situations demand limited specialization.

A high degree of specialization is not desirable because of the com-Prehensive nature of industrial arts. However, the range of knowledges and them and skills in industrial arts is so great that it is impracticable to give full coverage to all major areas of industrial arts.

Limitations on space and equipment seemed to handicap some schools in establishing a broad program, but each school observed had exercised some method of overcoming these difficulties. Enrollments and the space Problem had been dealt with by the careful scheduling and efficient organization and management of equipment, materials, and unique methods of student management in the organization. With respect to breadth, certain schools had provided some general-shop type of offerings to encompass larger areas of industrial arts.

Provision for specialization was limited and seemed to have less Posibilities due to predominant emphasis given certain few areas of industrial arts. In other words, choice of specialization seemed to have heen Riven less consideration than any other feature of the criterion; furthermore, the greatest limitation seemed to be on the quantity of Comment and space provided.

One school surveyed gave equal emphasis to a given number of industhal areas. This would seem to be in line with the basic concepts industrial arts and might afford a worthwhile goal toward which

others might work. Nevertheless, a specified number of areas might be questioned.

The specifications needed to satisfy this criterion follow:

1. The teaching-field preparation should be broad enough to encompass many of the basic learning experiences in the major areas of indus-

While it is recognized that practical limitations forced on schools make it necessary to concentrate attention on a few areas, the teacher ought to see these always as examples of a much broader program of understandings.

2. Although specialization in the teaching-field preparation is necessary for practical reasons, it should be allowed in terms of minimum needs.

Some industrial-arts areas demand more time than others for adequate preparation of prospective teachers. Others may warrant more time because of the basis of understanding they afford for still other areas of industrial arts.

3. Skills as well as knowledges should have emphasis in the teaching-

4. In the laboratory classes of field preparation, shop organization and field preparation.

management should be of superior rank.

Teachers will turn naturally to examples afforded them while in college. These examples, therefore, should have been adequate. Some participation in shop organization in the general shop should be required.

5. Drawing, design, mathematics, and science are essential to adequate

As is the case in other teaching fields, industrial arts requires supporting areas of study. All such subjects should be related to majorfield understandings and should have some application and practice in field preparation.

Professional education should be based on a careful analysis of industrial-arts teachers' needs and should be broad enough to provide prospective teachers with the breadth of vision needed by all teachers.

Professional courses of the four-year curriculum should not be offered isolation from each at in isolation from each other, but should be planned to effectively contribute, in sequential contributes in sequential contributes. tribute, in sequential order, but should be planned to effective teachers.

This criterion would be total education of prospective teachers.

This criterion would denounce the practice of merely specifying requirements in terms of semester-hour or term-hour credit. It would also indicate that the time all indicate that the time allotment for offering professional education is so priceless that are a superior of the superior of th so priceless that any overlapping is entirely inexcusable. Furthermore, there should be no everlapping is entirely inexcusable. there should be no excuse for "content of many education courses being the same, just a difference of the same in the same is a difference of the same in the same is a difference of the same in the same is a difference of the the same, just a difference in titles". The minimum needs of a beginning teacher are so great that careful consideration should be given to them, in order that all may be included in the four-year program.

Naturally, this requires more than the efforts of one department head. It would then seem desirable that anyone should point them out and get action started on remedial procedures. To establish a good program of Professional education, all applicable resources of the school or college should be enlisted.

The specifications needed to satisfy this criterion follow:

1. Professional education should include that which is known about

the nature of learning, of the learner, and of teaching. Professional education makes use of the specific and applicable findings in psychology, sociology, and anthropology; it should provide an understanding of all forms of education wherever found. For example, one approach to the understanding of the nature of learning might be afforded through the clinic. Emotional drives, human relations, human growth and development are involved.

2. Professional education should give an understanding of the com-

munity and the role of the school in society.

A sound philosophy of education and of industrial arts is implied.

3. Professional education should give understanding of and practice in the common duties of a teacher as a participant in the administration of a secondary school.

Duties connected with the classroom, homeroom, recordkeeping for administrative purposes, extra-curricular assignments, group planning sponsorship, and public relations are included.

4. Professional education should present the general techniques of class Granization and instruction.

Organizing a class, launching a unit of work, presentation, participation, and maintenance of continued industry are suggestions.

Special methods should be taught by an industrial-arts specialist has a good understanding of the specific professional techniques of industrial-arts teaching.

General methods should never be substituted for this phase of prodissional education. Laboratory demonstration might well implement training, and it would be quite feasible to conduct a part of it in thops or drawing rooms. Shop layout, organization, and management should be a part of this specific education, and ample time for adequate accomplishment should be provided.

6. Observation and practice teaching should be required in accordance bith the usual institutional regulations, the requirement being met when latisfactory accomplishment is attained.

Minimum requirements for practice teaching should be definitely out-Requirements tor practice teaching students. While the amount of academic credit or time allotted is not the measure of accomplishment, yet, certification requirements may specify minimum clockhour or semester-hour credit.

The program should be organized in such a manner as to afford a high

degree of continuity with respect to student development.

In the industrial-arts areas the program should be organized to permit the student to advance from the more basic operations to the less basic ones. In professional education the student should begin with the broad aspects of the teaching process and progress to those which are specific.

Program organization is the composite planning within all the areas of teacher education and involves the integration of general education, major-field preparation, and professional education into one effective curriculum. Although the specifications for this criterion generally set forth conditions for good organization, it is obvious that certain interpretations may be made.

It would seem desirable to justify organization to students and to cussions with the department heads and directors, however, it was obvious that hard and feet rule. It point out the desirability of following the organized plan. that hard and fast rules regarding prerequisites were not in favor. It was pointed out there was pointed out that any student digressing from the drganized plan should be led to cor this should be led to see this always as a means of fortifying himself with basic understandings in a lighted. basic understandings in order that the broader program not be slighted.

1. Professional education should be built upon a sound base of general education.

2. Teaching field preparation also should be based on general education and should be offered in quantity before professional education.

Teaching-field instruction is offered to best advantage all through the four-year curriculum. The offering should be made light during the first year as well as the last year, with general education being during during the first year and professional education being heavy during the last.

3. Learning experiences in special methods should be highly integrated with the learning experiences in observation and practice teaching.

There should be a close relationship between the content of the ecial-methods offering and special-methods offering and practice teaching. To make both phases of the professional education the professional education most effective this organization is recom-

Methodology in industrial-arts teacher education should demonstrate e best that is known in the best that is known in teaching practice, but it should be specifically characterized by certain characterized by certain marked teaching methods.

It will be necessary to develop methodology in terms of professional needs. Within these limits the prospective teachers should be taught as they should later teach.

Specifications set up for this criterion were particularly designed to establish the "certain marked teaching methods". No attempt was made to specify every type of method which could be applied to industrial arts education, nor was it claimed that all marked teaching methods were covered.

The nature of industrial arts demands that certain methods and practices dominate the offering, e.g., it was pointed out that from 50 to 75 Per cent of the total time in shop and drawing classes was devoted to Project construction. This is evidence of the fact that certain particular methods have been found very strongly adaptable to the teaching of industrial arts.

The specifications needed to satisfy this criterion follow:

I. Kinesthetic learning should tend to characterize methodology.

Industrial arts has a great opportunity to develop the kinesthesia and the inherent student satisfactions which come as a result. Extensive use should be made of this opportunity.

2. The project method, as applied to industrial arts, should be a trong feature of the program.

The project method as applied to industrial arts involves the performance of useful jobs and the making of usable articles. Raw materials. tials of industry are worked with the typical tools and supplies of in-The industry are worked with the typical tools and a radio. The radio in this instance is the project. The project method, as applied in dustrial arts, affords opportunity for extensive student participation in such activity.

The lecture-demonstration method as applied to industrial arts thould be included in the program.

In the industrial-arts activities, the lecture-demonstration affords the industrial-arts activities, the lecture-demonstration. This is a laboratory experience supervised by the instructor. This is a combination of demonstration, lecture-discussion, and directed laboratory

4. Methodology should demonstrate effective cooperative planning. Analysis is important in planning for industrial arts, and it should date with the structure of student and teacher effort. Teacher-prepared histructional materials of all kinds should represent the best of organizaion and planning.

t. Course-of-study materials (related informational and operational topics) should be organized for presentation by the unit method.

This gives direction to the course and provides for learning activities Rives direction to the course and provides for features, as well as inside the classroom. For presenting related inhational and operational topics the unit method affords long-term planning; e.g., the industrial-arts teacher of woodworking, at an appropriate time, might choose a theme or unit in wood finishing. In presenting the world finishing. ing the unit many topics might be covered, such as stains, sealers, fillers, varnishes, and lacquers. Although it might be impossible for each student to constitution. dent to gain skills in all phases, the unit provides for many individual assignments and experiences, of which findings are made common knowledge.

Effectiveness of the teacher-education program of industrial arts should be continually evaluated in as objective a manner as possible. Periodically a more extensive study should be made of fundamental

Although several specifications were set up for this criterion, it beassumptions, principles, and plans. came more and more obvious that the only allowable evaluation was that in terms of the stated objectives. If goals are attained according to the objectives the to the objectives, the program is meeting the purposes for which it was established. Consequently the purposes for which it was Consequently, if goals are not adequate, the objectives should be changed. It follows that any evaluative procedure will always point toward objectives and/or their attainment.

1. The program should be evaluated continually in terms of the stated jectives. objectives.

2. The program should be evaluated continually by comparison. Comparison with the offerings and objectives of other institutions is Check-lists and achievement tests are worthy of considereffective. ation.

3. The program should be evaluated continually by the product. This may be accomplished in two ways: (1) by use of the student's ininion, and (2) by accomplished in two ways: opinion, and (2) by ascertaining the student's later teaching success in the light of objectives 4. The program should be evaluated continually by faculty and y conferences

This offers one of the best types of constant evaluation. It allows opportunity for awakening lay interest in the program and provides a most valuable means of home most valuable means of keeping abreast of changing needs. These conferences should include learning abreast of changing needs. ferences should include local superintendents, principals, and teachers in secondary schools. secondary schools, especially those who employ graduates.

5. Periodically the whole list of stated and accepted objectives and four-year program should be stated and accepted objectives of curthe four-year program should be critically analyzed in terms of current needs.

This should be followed by corresponding modifications of the curriculum. There are several approaches to curriculum revision, and the staff should have a great deal to do with it, although expert counsel and direction, and lay support, will prove very valuable.

UNDERGRADUATE APPRENTICE TEACHING IN THE EDUCATION OF ELEMENTARY TEACHERS

by ELIOT BOYD GRAVES *

INTRODUCTION

The history of the professional education of teachers shows a consistent belief in the importance of student teaching in school situations that approximate or excel those in which the student will later work. This practice experience is customarily provided in campus or offcampus laboratory schools. The results of this procedure have not been scholly satisfactory. Full-time apprentice teaching in field situations bas been conducted with prospective high school teachers with encouraging tesults. Internship programs on the graduate level offer further evidence of the virtues of field experience. The purpose of this study is to determine the value and feasibility of field experience on an undergraduate level for prospective elementary school teachers.

A consideration of the widespread dissatisfaction with teacher education, the needs and purposes of professional education in Virginia, and the existing situation at Mary Washington College seemed to indicate a heed for developing a radically different plan for providing the practice. tice experience within the professional curriculum. An experimental program of apprentice teaching in the field was undertaken. A record of the development of this program constitutes the basic data for this study. Between 1938 and 1947 there were 181 students who served apprenticethips in elementary schools in the field, of whom 67 were in the twolear course and 114 in the four-year course. Almost all of the statistical data are confined to the apprenticeship program with 114 students in the four-year professional curriculum between 1939 and 1947.

Some Historical Influences Pertinent to This Study

Several historical influences were found to have significance for this thindy. A study of the history of teacher selection in the United States his to the conclusion that the plan of participation used in the apprenticethin program was in keeping with the gradual development of improved hethods for selecting teaching candidates. A study of recent changes a educational theory and methodolgy indicated that the apprenticeship program was attempting to apply several of the newer views in educathough was attempting to apply several of the newer victor of the pracphilosophy and psychology. A study of the history of the curthe hood indicated that it is not meeting adequately many of the hoods in professional education, and that a changing educational education, and that a changing its function. Prothilosophy may revise some basic concepts concerning its function. Promay revise some basic concepts concerts. A.M. 1935, College of William and Mary: Ed.D. conferred November 11,

visions for student teaching were found to have been accompanied by many persistent problems, such as cost, artificiality, and articulation. The persistence of the problems in the face of varied attempts to solve them suggested a revision of the total pattern of provision for the practice tice experience. The development of provisions for field experience showed that in vocations other than teaching, effective use has been made of field signature. of field situations to enable the learner to acquire the skills required by the work under conditions that are typical for the work. Programs of an apprenticeship type that have developed in education on the graduate level and for prospective high school teachers indicate that this type of pre-service education is appropriate for prospective elementary teachers. Only a few scattered attempts to establish such programs were found to have been made.

THE PROGRAM OF APPRENTICE TEACHING AT MARY WASHINGTON

The development of the apprenticeship program was influenced by the need in Virginia for field experience in teacher education and the existence of certain local ence of certain local conditions at Mary Washington College. The need for improvement development deve for improvement developed from, and was intensified by, the state curriculum revision program and the changing emphases in educational philosophy and psychology. The philosophy of cooperation followed by the college influenced the total college program at several points. For example, the inclusion of college program at several points. example, the inclusion of field personnel in the process of selecting teaching candidates of teaching candidates affected standards of selection within the institution, and provisions for field experience modified to some extent the pattern of course offerings of selecting field situations for apprentices involved cooperative procedures that differed for dures that differed from those commonly used in programs of student teaching. The grant lines to the commonly used in programs of student teaching. teaching. The geographical area included twenty counties and three cities. Fifty concerning cities. Fifty cooperating schools were used.

Additional significant characteristics of the program were the methods for inducting the apprentice into teaching activities, the apprentices participation in community life while a resident in the community the research project conducted by research project conducted by the apprentice while in the field, procedures for evaluations for cedures for evaluating the apprentice's growth, and the provisions for employment after graduation.

THE APPRAISAL OF THE APPRENTICE TEACHING PROGRAM

The first method used for evaluation was to secure the reactions of the employers of former the employers of former apprentice teachers concerning their success as beginning teachers. Apoch beginning teachers. Another method used was to secure the judgments of teachers who had had of teachers who had had apprentices concerning specific features of the program. A third procedure program. A third procedure was to record the judgments of superintendents of schools in whose school systems students had served ap-Prenticeships. A fourth procedure was to estimate the degree to which the program applied principles and recommendations stated by authorities guides for effective programs of professional education for teachers.

Some of the more significant findings were as follows: 1. The policy of the institution of exercising control over the field atuation only through the selection of field situations was considered

ound by those who participated in the program.

2. Public school personnel were willing to assume a responsibility for the professional education of prospective teachers.

3. Personal relations were believed to be of considerable importance in the selection of the field situation and in the success of the apprenticeship experience.

4 The policy of having apprentices determine to a large extent the sequence of teaching activities they undertake and how rapidly the activ-

ities are undertaken was believed to be sound. 5. A majority of employers considered the initial teaching success of former apprentices more successful than that of most beginning teachers.

6. The amount of work on the part of the participating teacher incident to having an apprentice varies with the apprentice.

7. Pupils, schools and school systems gain, rather than lose, as a tesult of having apprentice teachers.

8. Participating apprentice teachers.

Participating teachers tend to be satisfied with existing policies followed in the administration of the program.

The program implemented to a high degree most of the principles

and recommendations stated by authorities on student teaching.

The average cost per apprentice teacher for the operation of the pro-Rram, including the salary of the director, the expense of travel and the cost of room and board for apprentices while in the field, was approximately \$127.86.

The findings indicated a need for certain modifications in the adminintration of the program, including increased services to the field personnel on the program, including increased services to the super the study of the part of the college faculty, greater emphasis upon the thudy of human growth and development during the student's preparation of human growth and development during the students of the program, and dures for apprenticeship, the use of more systematic evaluation and increased effecting the continuous improvement of the program, and tor effecting the continuous improvement or the provisions for field experience during the first and second years of the college program.

Some of the advantages of the apprenticeship program were: The opportunity for public school personnel to share the responsithe opportunity for public school personnel to snare can be selection and professional education of prospective teachers. 2. The policy of the college exercising control over the cooperating the policy of the college exercising control over the teaching only through the selection of field situations for apprentice

3. The provisions for effecting the transition from student to teacher through participating in activities and assuming responsibilities that are typical of those expected of members of the profession.

4. The large number of field situations available for apprentice teach ing, so that the number of apprentices in any one school is small, and a

participating teacher has only one apprentice at a time.

5. The emphasis upon the personal qualities of the prospective teacher and upon the human relationships between the apprentice and the participating teacher through the cooperative selection of field situations and apprentices.

6. The provision for adapting to the individual student's needs, abilities, and interests, the field situation, the sequence of teaching activities

related to induction, and the rate of induction.

8. The variety of professional and cultural activities in which the

9. The number and kinds of mutual services rendered by the apprenapprentice engages.

10. The freedom of the apprentice from all campus responsibilities tice and the field personnel. during the apprenticeship period.

11. The emphasis upon the frequent and informal conferences between

12. The employment opportunities of the apprentice and the local the apprentice and the field personnel. school system in which the apprenticeship is served.

RECOMMENDATIONS FOR INITIATING AND CONDUCTING AN APPRENTICE

t. A favorable attitude on the part of the public school personnel toward participating in the professional education of prospective teachers is basic to the database ers is basic to the development of a program of apprentice teaching.

2. The total

2. The total responsibility for the success of the program Should be ared by the college should be shared by the college, the field personnel, and the apprentice. The college should have primare lege should have primary responsibility for the on-campus instruction of the student, for the annual particithe student, for the approval of the school systems, schools, and participating teachers included pating teachers included in the program, and for the arrangements in the community for the apprentice's room and board. The college and the field personnel should have joint responsibility for the selection of the apprentice, the supervision of the apprentice's work, and the evaluation of the apprentice's tion of the apprentice's work, and the primary responsibility (primary responsibility for the approval of the apprentice, the instructional program in the following tional program in the field situation, and the professional activities of the apprentice. The collection the apprentice. The college, the field personnel, and the apprentice 3. The program should include only field situations that have supershare the responsibility for the selection of the field situation.

visory services in addition to those provided by the participating teacher and the principal. The best situation is one in which the services of a general elementary supervisor are available.

4. The college should provide adequate staff for the administration of the program. The number of apprentice teachers per staff member should not exceed twenty-five per year. Each staff member usually will require an automobile for taking students to visit field situations and for making regular visits to apprentices.

5. Course offerings in the college program should be arranged so that the student during his senior year will have a full semester for the

apprenticeship experience, free from all campus responsibilities. 6. The selection of students for professional education should be a continuous and cooperative process, including all members of the college Dersonnel whose knowledge of the student qualifies them to participate. Standards of selection must be high enough to assure the student's subse-

quent approval for apprenticeship by the field personnel.

7. Students should be taken by the college staff to visit a variety of held situations during the first three years of the college program. In addition, short periods of field experience of three or four days' duration should be interspersed among the courses required during the first

8. The college program should provide opportunities for, and guidance in the personal and social development of students before and during their apprenticeship.

provisions for the study of human growth and development should be made by the college for all prospective apprentices.

include opportunities of working with children outside of school. The college staff should be well informed concerning the needs, capacities, talents, and interests of students, and the characteristics of the various field situations, such as personnel, instructional program, staff morale, pupils, community conditions, and policies of administrative

11. The participation of the student in the selection of a field situathe participation of the student in the selection of the selection of the student in the selection of the selection several field situations. Guidance may be given by restricting his choice to those situations that show promise of providing the kinds of experithe from which he will profit most.

12. The field personnel should be listed in the college catalogue as part the instructional staff of the institution.

13. There should be no financial arrangement between the college the 6.1. the field personnel. Mutual service constitutes the sole motive for the field personnel. Mutual service constitutes the sole interior to pay for having arming of the program. Offers by school systems to pay for the program. lating apprentices should be declined, and teachers who expect additional agary from participating in the program should not be included.

14. Only the better instructional situations should be included in the program. Within this limitation, the college staff should seek diverse field situations that vary as to size of school, type of community, geographical location, instructional program, administrative policy, and the like. A tendency to use the same schools and participating teachers for long periods should be avoided. Rather, there should be a constant sensitivity to teachers and groups of teachers who are growing in the profession so that invitations to participate may be extended to superior schools and teachers as they emerge.

15. The quality of personal relationships between the teacher and the pupils, parents, and other co-workers in the cooperative school are

fundamental in the selection of participating teachers.

16. The geographical area included by the program should be large enough to include the necessary number and variety of appropriate field situations. If the most distant cooperating school is not more than one hundred miles from the college, one-day field visits with students may be made without undue difficulty.

17. The student should be expected to make an investigation of some local educational problem while serving his apprenticeship. The field personnel, the apprentice, and the college staff should cooperate in the selection of the peoblem. selection of the problem. Services by qualified members of the college faculty should be available to the apprentice for guiding this work.

18. The college should be responsible for making the arrangements for room and board for the apprentice in the community in which the apprenticeship is served. Control by the college in this matter helps to assure the kind of accommodations that are conducive to the apprentice's

19. Supervision by the college staff of the apprentice's activities in the field situation should include the requirement that the apprentice spend not less than spend not less than one-half of the total number of week-ends in the

20. Regular supervisory visits should be made by a member of the college staff to the apprentice at work. These should average at least one every two weeks. Additional visits should be made as needs arise.

21. As a rule, the field personnel and the apprentice should ()p. when to expect supervisory visits by members of the college staff. portunities for conferences should be a characteristic feature of these visits.

22. The college staff should share with the field personnel all written reports made to them by the apprentice, and the field personnel should share with the college staff. share with the college staff all data on their evaluation of the apprentice's growth

23. The making of written statements by the participating teacher concerning the apprentice's work should be voluntary. In no case should

he rate, score, or grade the apprentice, since this is contrary to the function of the participating teacher and prevents the development of desirable human relationships between participating teacher and apprentice.

24. The principal of the cooperating school should make a written statement to the college concerning the apprentice's qualifications for employment.

25. The apprentice should share the responsibility for determining the sequence of teaching activities related to induction and the rate at which such activities are undertaken. The policy of having the apprentice ask for teaching activities as he feels ready to undertake them makes allowances for individual differences in readiness and ability, and is Preferable to the use of a list of activities prepared by the college staff,

26. The field personnel should be asked to include the apprentice in all appropriate activities of the kind normally engaged in by teachers in service, such as attending meetings, serving on committees, having conletences with parents, and participating in civic programs.

27. Prospective apprentices should have opportunities for contacts with apprentices and former apprentices through conferences and dis-Cussion groups held on the campus and in the field.

The college staff and field personnel should cooperatively and continuously evaluate the apprenticeship program to the end that the total program of teacher education may be improved.



THE AMERICAN KINDERGARTEN IN TRANSITION by MARY ELLEN HELTIBRIDLE .

THE PROBLEM

The purpose of this study was to trace the history of the American kindergarten in transition, from an imported German system built on Froebelian philosophy, to an indigenous American body of philosophy The time of this transitory period is not delineated sharply, but covers approximately the years between 1876 and 1920. This was not intended as a complete history of the kindergarten in the United States, but as a study of the various factors operating within the American atmosphere which united in compelling the kindergarten to rid itself of some of its foreign impedimenta. These factors were American environmental trends such as Nationalism; changes in the character of immigration which made city slums a ripe field for the development of a practical type of kindergarten; the "emancipation" of women, and their increased opportunities for higher education. Since most of the leaders and teachers of the kindergarten were women, and other opportunities for the employment of women were limited, competition forced an elevation of the academic requirements for kindergarten teachers.

The kindergarten in the United States was rooted in German philosophy, program, and personnel; and with one notable exception, the kindergartens which were kindergartens which were recorded as having been begun by 1870 were founded by German to the condense of the c founded by German people. The one exception was the kindergarten started in Roston in 1967. started in Boston in 1860 by Elizabeth Peabody, the great American apostle of Froebelication apostle of Froebelianism. Although she was an American, yet she was perhaps more shown perhaps more than any one other person, responsible for perpetuating the German spirit in the lithe German spirit in the kindergarten in this country. She maintained a critical and sometimes a critical and sometimes caustic attitude toward anyone who presumed to differ in any work for the state of t to differ in any way from the pure Froebelian doctrine and practice.

In 1876, a Froebelian kindergarten was established as a demonstration school on the grounds of the Philadelphia Centennial Exhibition, where it was the object of much favorable comment.

At the same time, and on the same grounds, Emily Coe demonstrated set of equipment which the a set of equipment which she had originated and designed to use in a type of kindergarten known as the same grounds, Emily Coe type of kindergarten known as The American Kindergarten. Emily Coe insisted that the kindergarten in its insisted that the kindergarten she represented was Froebelian in its foundation. She had made certain additions, such as reading and writ-

^{*} B.E. in Education 1927, Temple University; A.M. in Education 1943, The George Wachington University; Ed.D. conferred November 11, 1947.

ing, and had aimed to have the whole procedure fit the American way of life. Later in the magazines they edited, both Elizabeth Peabody and William Hailman soundly denounced Emily Coe as a pretender and imposter. Other than that, Emily Coe appears to have been given no recognition by the main body of kindergarteners, but for a period of at least twelve years, beginning in 1878, she edited a magazine called The American Kindergarten Magazine.

By her zeal in trying to preserve the "genuine kindergarten" from Pretenders" such as Emily Coe, Elizabeth Peabody put the American roebelian kindergarten on the defensive and stifled any effort at openmindedness. This defensive position served to indoctrinate the pioneer kindergarteners against a desire to seek for any further revelation of

educational truth.

The American Froebel Union, which was the first organization of American kindergarten teachers, and The Kindergarten Messenger, the first kindergarten magazine in this country, both were sponsored by Elizabeth Peabody. Both had as their announced purpose the protection of the "true" kindergarten. Several years after its inception, because of financial difficulties, The Kindergarten Messenger found it convenient to merge forces with the New England Journal of Education. This arrangement was soon terminated, because the editor of the latter permitted Miss Coe to advertise her American Kindergarten and Training School in his journal. This prompted Elizabeth Peabody to protest by tesigning from the editorial staff and by withdrawing The Kindergarten Ilessenger from the merger. Events such as these set the stage for the beginning of a controversy over kindergarten procedure.

In 1876 and the years immediately following, the controversy was latrely a one-sided affair with the preponderance of the vocalization coming from Elizabeth Peabody. Apparently the only resistance Emily Coe offered was that of determined persistence in pursuing her work with The American Kindergarten. The real struggle developed later hetween Conservatives such as Elizabeth Peabody and Susan Blow, and Liberals such as Patty Hill. The Conservatives, as defenders of the Froebelian faith, held that the Froebelian system was complete and perfect, and should be preserved in its entirety. They strove to maintain the kindergarten in the United States as a faithful copy of the German original. They believed that Froebel's kindergarten was a Complete and perfect system of education for young children, timeless

its scope and universal in its application. Opposing this group were the Liberals, who were in sympathetic acwith a part of the Froebelian doctrines, but who were convinced that the system should be in a state of continued evolution to keep it compatible with the best of current educational thinking. The Liberals hished to interpret Froebel in the light of an American educational and environmental background, and to alter and adapt the Froebelian school to conform with American life and thought. The advent of the Child Study Movement about 1890 served to sharpen the issue into a real

Meanwhile, there were certain factors outside the kindergarten, but within the American environment, which operated to aid the cause of the Liberals. The opening of the West, with its freedom from the traditions which prevailed in the East, permitted a type of kindergarten in California which seemed more sensitive to its environment than the kindergartens of the East. In city slums a very practical type of kindergarten flourished. These appear to have been the first in America to yield to the pressure of environment and to concern themselves with such practical income and to concern themselves with such practical income and to concern themselves with such practical income and the such practical income tical issues as child health, individual personality problems, and general community welfare.

The increased availability of educational opportunities for women gradually resulted in higher academic standards for kindergarten teachers. This raising of standards seems to have predisposed the teachers to view the traditional Froebelian philosophy with a critical mind, and

to cast their lot with the Liberal side of the controversy.

About 1890, when the kindergarten was fairly well established in the United States, the Child Study Movement was beginning to focus attention areas. tention away from established systems and toward the child, his processes of development esses of development, and his needs and activities. It became a decisive element in forcing the kindergarten in this country to evaluate carefully its position with respect to Froebelianism, and was instrumental in compelling the kindergarten to modify its philosophy and much of its

As a result of the findings of a series of studies of children, G. Stanley Hall and William Burnham, who were members of the Child Study Movement, began to direct a number of criticisms against the policies and practices of the kindergarten. These criticisms widened the lireach between the Conservatives and the Liberals. The former reacted by redeclarations of the worth of the Froebelian system and did what they could to defend it. The Liberals assumed the position that it was quite in order to subject the Froebelian philosophy, system, and equipment to a critical reevaluation. a critical reevaluation. G. Stanley Hall persistently criticised the system in general, and William Burnham, with almost equal persistence, condemned its current health practices. These criticisms were frequently adverse, but they were destructive in order to gain constructive results. Patty Hill of Teachers College, Columbia University, was the leader of the Liberals who care the Liberals who saw constructive value in these criticisms. Through her courage, her position, and her leadership, there came a reconstructed kindergarten. During the period which covered the turn of the century, changes kindergarten.

began to be noticed in basic kindergarten philosophy. The German system, by 1900, was beginning to be superseded by the American child. Froebelian Gifts and Occupations became creative play material which were supplemented by dolls, nature material, and other play accessories. Free play took the place of directed play. There was a slow decline in the use of Froebelian apparatus and a developing body of larger and more varied educational play materials. Music and art were becoming creative rather than dogmatic and imitative. In the first two decades of the twentieth century, a new concept of child health was evolving. Laws of physical growth and development were beginning to take on an aspect of importance, and school buildings began to more clearly conform to the laws of physical growth. Relationship with the primary school became more proposed.

But while these changes within the kindergarten were in the process of actual change, there was going on sumultaneously, an attempt to actual change, there was going on sumultaneously, an attempt to factual change, there was going on sumultaneously, an attempt to describe the controversy between the Liberals and Progressives. During the years just preceding and following the turn of the century, the defensive cudgels once wielded by Elizabeth Peabody were taken up by Susan Blow, who in 1872 or '73, with William T. Harris, established the first permanent public school kindergarten in the United States. During the period in which the kindergarten was under fire of adverse triticism, Susan Blow wrote a book entitled Educational Issues in the Kindergarten to clarify the Froebelian position from the Conservative Point of view. Nina Vandewalker, a Liberal, wrote a history, The Kindergarten in American Education, which was to acquaint younger teachers with the background of events which led to the controversy.

However, both Blow and Vandewalker wrote as individuals, and a need was felt for the strength of some unified action. Accordingly, in 1910, the International Kindergarten Union appointed a committee of hincteen of its members who were charged to study the matter and formulate a statement of principles to which all American kindergarteners could subscribe. After about ten years of deliberation and study, this Committee of Nineteen, as it was popularly called, came to the con-Clusion that it was impossible for it to meet its major commission. A unified think: report was impossible because there was not enough unified think: thinking among the members of the committee. A compromise was reached by the presentation of three separate reports. One portrayed the Conservative side, one the Liberal, and one the Conservative-Liberal Position. The Conservatives appear to have remained loyal to Froebel until the end of their days. The Liberals progressed from stage to stage until at last, by 1920, the American kindergarten was free to make its own philosophy and formulate its own set of practices.

Two later influences on the kindergarten were the Montessori Method the Nursery School Movement. The first of these came after 1910

and although it was accepted by some, most educators viewed it with caution, probably because its didactic material somewhat resembled the Froebelian equipment which was then being discarded. One good residue of this method was a simple of the method was a simple of t of this method was an improved type of toy for both home and school

The Nursery School Movement, which began about 1920, highlighted the value of close cooperation between home and school; brought an increased respect for the last school inc increased respect for the value of scientific observations and records of child development; and put increased emphasis on parent education.

CONCLUSIONS

1. The period of the American kindergarten in transition covered.

2. The transition involved a gradual departure from an imported approximately, the years between 1876 and 1920. German system of philosophy, practice, and equipment, to an Americanized institution which had won for itself the right to formulate its own philosophy, evolve its own tashring the right to formulate its own philosophy, evolve its own techniques, and create its own body of materials. It was a transition (It was a transition from a system-centered to a child-centered

3. The struggles of the transition were centered in a controversy heren two opposing groups of hind tween two opposing groups of kindergarten leaders. The Conservatives desired to preserve the Frankelian desired to preserve the Froebelian system intact, and the Liberals were convinced that it should be madified. convinced that it should be modified to suit the American environment and to conform with the best of current educational thinking.

4. Several personalities emerged as leaders during the years of transion. The first of these properties of the second personalities are personal transitions. tion. The first of these was Elizabeth Peabody, who by her zealous fight to protect the pure Froebelian bind. fight to protect the pure Froebelian kindergarten dissipated its strength by putting it in a position of defaut by putting it in a position of defense. Moreover, her attitude has been judged to be responsible for indoesnic. judged to be responsible for indoctrinating the pioneer leaders to such in the degree that they fought to resist any change or improvement in original system. Susan Rlow original system. Susan Blow seconded Elizabeth Peabody's fight.

5. Environmental, social, and educational forces in America conspired aid the cause of the Liberale. to aid the cause of the Liberals. Perhaps the greatest of these tores was the Child Study Movement characteristics. was the Child Study Movement, championed by G. Stanley Hill. turned into practical application in the kindergarten by Patty 16. The controversy based on the kindergarten by Patty 16.

6. The controversy between the Conservatives and Liberals was partly be ttled. It gradually dissolved with settled. It gradually dissolved with the passing of the years, partly because eventually death claimed the Conservatives and Liberals was not cause eventually death claimed the Conservatives and Liberals was not cause eventually death claimed the Conservatives and Liberals was not cause eventually death claimed the Conservatives and Liberals was not caused the Conservative and Liberals was not caused the Conservati cause eventually death claimed the Conservatives, and partly heeding the forces of the American environments. the forces of the American environment operated to compel the kinds arter to more nearly conform to the ducations. garten to more nearly conform to the pattern of American educations.

CRITERIA OF A GOOD PHYSICAL EDUCATION PROGRAM FOR BOYS IN THE SENIOR HIGH SCHOOL

by DONALD MINNEGAN .

The purpose of this study is to develop a valid set of criteria for a Rood physical education program for boys in senior high schools.

It was attempted because discussions with physical educators and the writer's observations indicated that often those concerned with physical education have discussed good practices in general terms but in many instances have not converted them into instructional procedures. The Writer, therefore, felt that a search for acceptable criteria would be worth while. He felt that a search roll acceptant high school physical direct. He felt that such study might assist high school physical directors and principals (1) in defining a good program, (2) in evaluating ating a program, and (3) in translating objectives into actual practice. lt appeared that a set of criteria, even though incomplete and relatively undeveloped, would be helpful.

In the actual formulation of the criteria, the following steps were taken.

t. The literature was examined for whatever evidence it could yield concerning criteria of a good program. A tentative set of criteria was introduced in the control of the control ormulated and discussed with several students of physical education. on the basis of their criticisms the first draft was revised.

2. The revised set of criteria was submitted to a larger jury of twenty-one experts selected because of their knowledge, experience, and recognized achievement in the field of education and of physical education. Eighteen were experts in physical education. This group included: three state directors of physical education, three directors of large city systems. state directors of physical education, three directors of systems, two specialists of the United States Office of Education, six htolessors of physical education from outstanding universities, two supervisors of physical education from outstanding university supervisor of the Veterans Administration program, one country of physical education, and one Teachers College director of physical education, and one Teachers including one state of physical education, and one Teachers College uncertainty of the education. There were three general educators including one state high school supervisor, one county superintendent, and one dean of the school supervisor, one county superintendent, and one cisms of education of a leading university. On the basis of the criticisms of this jury the criteria were revised.

3. It seemed reasonable to expect that if these criteria were valid and actical the reasonable to expect that if these criteria were valid and Practical, they would find expression in the practices of those schools which had which had superior physical education programs. A checklist was constructed of practices one might expect if the criteria were put into

These were distributed to principals and directors scattered throughthe forty-eight states of the Union. All schools concerned had been the forty-eight states of the Union. All schools Conferred Noselected by the state supervisors of physical education or a designated state supervisor, as schools with superior physical education programs. It was found that many of these criteria were in common use, indeed the majority were applied to some degree but some were not.

This nationwide survey of school practices in 114 schools with superior programs revealed the following general weaknesses and strengths.

General weaknesses in reference to Criterion One on objectives in cluded inadequate provisions for adjustments in terms of: pupil needs, foundation sciences, community study, cooperative planning, provisions for written statements, interpretation, and restatement of objectives.

School practice showed reasonable strength in terms of: educational philosophy, attention to distinctive and general objectives, recognition of the pupil point of view, and the safety and protection program.

In reference to Criterion Two on program, school practices seemed to be rather weak in provisions for: individual needs of all pupils; needs of the social order; positive approach to curriculum planning; selection of vigorous activities; selection of activities affording many opportunities for adjustment; activities for adult recreational adaptation of activities according to pupil needs; planning in terms of legal facts; cooperative curriculum planning; organized, written courses of study; progression in activities; the newer club, remedial, and supplemental mental programs; related programs in pupil planning and discussion; re-evaluation and re-adjustment of the curriculum.

School practice was reasonably strong in reference to provision for: a diversified, balanced program; selection of activities according to general educational objectives, all-round contributions; individual and group interest; use in pupil extension free play time; stimulating pupil interest; traditional programs (class, intramural, varsity); and related

programs in health and protection.

Criterion Three was concerned with leadership. Leadership practices which tended to be weak were those concerned with: preparation of teacher in foundational sciences, problem solving, demonstration of basic functions, use of supplemental leadership for mass program, and leader-

ship opportunities for large numbers.

School practice showed a reasonable degree of development in the following fields: selection of teachers with good all-round qualifications, selection in terms of special qualities needed for physical education general educational background, selection in terms of specific job technical training growth on the job, use of supplemental leadership for skilled boys, number of leadership opportunities, and knowledge and use of

In reference to Criterion Four, administrative practices which tended to be weak were the principals' interpretations of community factors, special types of leadership.

equalization of resources, and provisions for facilities.

Administration practices which showed a reasonable degree of development were in the principals' understanding of the program, understandings with the physical director, provisions for democratic planning, provisions for the teachers' working conditions, effective utilization of resources, development of a financial program, provisions for satisfying healthful surroundings, supervision of the program, and public-relations programs.

The findings related to Criterion Five on evaluation differed considerably from the findings related to the other four criteria. In practically no area did the school practices show strong support of the kind of practice one would expect if Criterion Five were in operation.

Following the comparison of practices in the schools with the practices one would expect to find if the criteria were applied, some adjustments were made which resulted in the revision and final statement of the criteria of a good physical education program.

The final revision of the criteria took into consideration all of the foregoing factors. In some cases, consideration of all the evidence indicated need for a clarification of detail. This was illustrated in the role of supervision in administration. The survey of practices in good proctams revealed disappointing results in respect to evaluation. On further consideration, it was felt that this may have been partly due to lack of sufficient clarity in the statement of the criterion. Because of this, considerable revision was made in the wording of the criterion and specifications on evaluation.

The criteria as they were finally formulated follow. The specifications needed to satisfy these criteria are developed in detail in the dissertation, but omitted from the summary for the sake of brevity.

CRITERION ONE-OBJECTIVES

The program should be based on fundamental objectives which are clearly stated, suited to the needs of students, agreed upon by those responsible for the program, and understood by all concerned.

This criterion is the guiding influence of a good program because the formulation of objectives must precede and control all subsequent planting and action for pupil welfare. Unfortunately, differences of opinion itetives. This confusion often extends to, and handicaps, those responsitions school programs and those participating in them. A program lected to produce in individuals, and only so far as it actually produces

CRITERION TWO-PROGRAM

The activities for the program should be selected, adapted, and organized in an effective plan which provides optimum opportunities for the growth and development of all pupils in terms of accepted objectives.

Since the development and adjustment of the individual depend upon the interaction of the growing person and the environment in which he grows, it is extremely important that learning experiences be selected and conducted accordingly. Unfortunately, in many schools the activities bear little relation to the stated objectives.

CRITERION THREE-LEADERSHIP

Competent leadership should be provided.

Providing pupils with well-planned opportunities for learning through physical education activities is a complex function. It is very difficult to find pupil needs and wants and to provide effectively for them. The problems which arise in this process of understanding pupils and helping pupils need the attention of one who is an educator in the broadest sense and also a competent specialist in physical education. Such leader-sense and also a competent specialist in physical education. Such leader-ship is probably the most essential provision needed to secure for all ship is probably the most essential provision needed to secure for all children the important, inherent values in physical education opportunities. Physical education, when properly taught, requires a teacher with unusual general and special training. Too often the teacher is selected on the basis of coaching ability and interest alone; sometimes anyone available is assigned the task.

CRITERION FOUR-ADMINISTRATION

The total school administration should be organized and operated in such a way that it provides the essential conditions and opportunities favorable to the attainment of physical education objectives for all pupils.

The objectives, the activities, and the leadership of a physical education program can all be good and yet the program can fail because administration fails to provide the means to achieve success. Administration should provide adequate time, good facilities, sufficient equipment and supplies. The administrator ought to know what physical education is and what it ought to accomplish if he is to administer a program successfully. This is important because physical education needs special successfully. This is important because physical education needs special facilities, special equipment, special classification of pupils; also the activities are diversified and the need for protective precautions is important.

CRITERION FIVE-EVALUATION

There should be a sound, continuous program of measurement and evaluation which reveals the extent to which the derived objectives are met. It should indicate clearly (1) the degree to which individuals are attaining defined objectives, (2) the efficiency of the learning process provided for attaining objectives, (3) the adjustments which should be made in the process to provide better learning opportunities for youth.

All schools should have a plan which reveals the success of the program. Most physical education programs have little pertinent information about the status of individual and group traits, needs, and wants. Most of them have inadequate information about the effectiveness of their present practices for helping individuals in terms of individual and wants. Many schools have not analyzed the possibilities in accurate information concerning what progress has been made in terms of stated objectives and what remains to be done in order to attain them. All of the specifications on evaluation will, of course, not apply to which appropriate selection may be made.

Criteria themselves, while determinants of practice, do not necessarily the good practices. It is easy to assume that if a school does a little criterion is met. Therefore, a list of practices resulting from criteria is usually of much more use to the average principal or physical tevision of all and the school does a little to the second practices resulting from criteria is usually of much more use to the average principal or physical tevision of all the school does a little to the second process of the second process of

The instrument devised is a checklist and not a rating scale. No and no weighting of items have been attempted. Although the incomplete and relatively speaking in an early stage of development, it is hoped that it will be useful to principals and teachers in the reading to better learning opportunities for all pupils.

AN APPROACH TO THE DEVELOPMENT OF A FUNCTIONAL GENERAL EDUCATION PROGRAM IN MARYLAND

By JAMES ERNEST SPITZNAS •

Until 1945 twenty of the twenty-three counties in Maryland had, in effect, an eleven-grade school system. Three of the counties and Baltimore City provided twelve grades of schooling. In 1945 the General Assembly of the state enacted legislation which made it possible and desirable for all counties to effect a twelve-grade system. Immediately, in line with the possibilities provided in this legislation, the twenty counties made plans to effect, over a maximum period of six years, a 6-3-3 or 6-6 arrangement of grades.

It was evident at once that a twelve-grade system could not be substituted for an eleven-grade arrangement merely by inserting a grade somewhere along the twelve-grade range. It had become necessary, rather, to rethink the whole sequence of experiences, grades I to 12, Assembly in enacting this legislation had really necessitated a statewide curriculum development program which posed this problem: "In view of the widely varying conditions and convictions about education which obtain throughout the state, how may local, county, and state personnel work together in using the instrument of curriculum development to ment to effect a truly functional general education program in the schools of Maryland?" This study is a description of how guiding considerations and acceptable siderations and acceptable patterns of procedure were evolved.

First steps in the direction of working out answers to this problem were taken in 1945 when the State Superintendent of Schools appointed an Exploratory Committee an Exploratory Committee to recommend procedures and designs.

Committee proposed Committee proposed an over-all framework for the curriculum entitled "The Individual and His Educational Program". In the summer of the 1945 selected teachers and supervisors from the various counties of the state met in a custicular state met in a curriculum workshop at State Teachers College, Towson, to explore the implication to explore the implications of this framework for specific courses of study and subject of specific courses into study and subject offerings. Those in attendance were divided into subject groups and cook subject groups and each group projected sequences of units or topics designed to represent the designed to represent the nature and range of that subject from grades I to 12. The value of this work lay in its strengthening of the conception of the curricular ception of the curriculum as a continuity. A separate committee set forth in a bulletin entitled "Experimental Practices" certain possibilities

^{*} Ph.B. 1915, A.M. 1922, Dickinson College; A.M. in Education 1928, Columbia University; Ed.D. conferred November 11, 1947.

in the way of a core or unified experiences approach to curriculum development.

Since there was a very strong feeling that an emergency need existed on the junior high school level, the Exploratory Committee next devoted itself to studying the possibilities in resource units. In preparation for the workshop of 1946, the Committee suggested thirty-two possible units and asked the county superintendents to select by vote the ten which they preferred to have developed first. The following ten were selected and developed as resources from which the teacher might draw purposes, content, and activities suitable for use in grades seven, eight, or nine: (1) Relating Our Land and Our Resources to Our History; (2) Conserving Our Natural Resources; (3) Maryland, America in liniature; (4) Guarding Against Accident and Disease; (5) Keeping Physically Fit; (6) Learning to Live with Others; (7) Our Shrinking world; (8) Our Environment Shaping our Lives; (9) Seeking Fellowthip with the Americas, North and South; (10) Exploring My Educational Opportunities.

THE SUPERVISOR OF CURRICULUM

In the interim between the workshops of 1945 and 1946 the State Superintendent of Schools appointed the writer to serve as State Superisor of Curriculum. The Supervisor immediately formulated as his a continuity and a unity. The Supervisor believed that the sense continuity had been weakened in 1946 when attention was given those primarily responsible for the direction which curriculum the statem. That is, they must begin to enlist in the purposing and the principals, members of the staffs of teacher-training institutions, and parents and lay people generally.

The Supervisor of Curriculum first revised Chart 1, "The Individual His Educational Program", in such manner as to make it capable supporting a program of unified experiences as well as a program canized by traditional subject fields. Then, to discover or evolve eptable procedural patterns and sound practices, he decided to work a rather narrow segment of the curriculum and a relatively few a rather narrow segment of the curriculum and a relatively few in their principals, supervisors, and superintendents. The segment curriculum ultimately agreed upon comprehended consumer educible recreation, conservation, and safety. The Supervisor of Curriculum next promoted the selection of a Curriculum Planning and

Advisory Committee which included among its members personnel from the Department of Education of the State of Maryland and county representatives but was made predominantly of teachers from teacher

training institutions.

In meetings of the Curriculum Planning and Advisory Committee and in county meetings which included the Superintendent, his supervisory staff, the teachers in the experimental program, and, on occasion, the Assistant Director of Education and Research of the Natural Resources Board, certain guiding considerations for curriculum development were agreed upon and the consequent interrelationships among local, county, and state personnel worked out. In addition, the titles for the sequences of enterprises, grades I to 12, in the four fields mentioned were determined, methods of evaluation formulated, and specific steps in the program of curriculum development projected.

GUIDING CONSIDERATIONS

The guiding considerations agreed upon may be stated as follows:

1. The curriculum development program is only one resource among many which the state possesses for the creation of a functional general

education program.

2. Our conception of the nature and method of the general education program which is the end we seek must determine the nature and method of all means we employ for the realization of this end-curriculum devaluement ulum development, supervision, guidance, plant construction, organization

and administration of the school, and equipment and supplies.

3. We conceive the general education program, which is the end we seek, as one which is (a) related directly and specifically to the personalsocial needs of boys and girls, (b) diagnostic in that it gives boys and girls maximum opportunity to use tests, surveys, and examinations to discover the precise country to use tests, surveys, and examinations to discover the precise nature of their own personal-social needs, (c) cooperative in that it gives all those concerned in the program, including adults, opportunity to the program, including adults, opportunity to purpose, plan, execute, and evaluate, (d) a "doing" program in that the pupils engage in a significant enterprise designed to reconstruct a city of the to reconstruct a situation or to improve themselves with respect to the situation (e) interresistant or to improve themselves with respect to the situation, (e) integrative in that it gives maximum opportunity to boys and girls to apply and girls to employ arts and sciences, facts and skills, as these are needed for the successful prosecution of the enterprise, (f) discriminative or critical in the control of the enterprise, (g) areas and ative or critical in that it requires pupils to evaluate performances and products constantly, that is, to compare with model or desired performances and products. ances and products and make suggested improvements, and (g) unified or synthesized in the compare with model or desired permitted and make suggested improvements, and (g) unified or synthesized in that the characteristics mentioned in the foregoing are inestricably income. are inestricably interrelated in one ongoing process, not isolated as steps 4. Cultural, economic, political, and educational communities of inin a formal or mechanical procedure.

terest are state and national, not to say global, in their scope. All these Processes are, therefore, legitimately the concern of the state as well as of the county and the locality.

5. State and national agencies may know personal-social needs in terms of amounts, ranges, and averages but only the teacher and her close co-workers can know the precise needs of these particular boys and girls. All state and national agencies have their test, educationally, telationship to their effect upon this teacher and her immediate coborkers. The functional general education program which is the end The seek must be developed in the thinking and behaving of the teacher. The curriculum development program used as a means must be essen-

tially an in-service teacher training program.

6. The written part of the curriculum will consist largely of the teacher's own reports of relative successes and failures in creating the kind of educative process we desire. This makes the program of curticulum development the instrument of teacher training and puts the Premium on the teacher's initiative, resourcefulness, and inventiveness. These guiding considerations suggested that the state-wide curriculum development program should be used as (1) the medium of cooperative endeavor in which (a) specialists in the fields of individual organic trouth and development and in the cultural processes demonstrate the telationship of their specialties to learning situations, (b) supervisors serve as liaison personnel to assure that specialized knowledge into terms usable by the teacher and her pupils, and (c) teachers endeavor move learning enterprises in the direction of abiding and widely apbleable significance as expressed by the specialists; (2) the means of the state. furthering and strengthening the child study program in the state. This program now being used most extensively over the state illustrates Pecifically how (1) is effected and implemented); (3) the means of hoving the text-centered teacher toward greater effectiveness in the the text-centered teacher toward greater enecuring local recurceiulness and breadth of participation.

ENTERPRISES AND THEIR DISTRIBUTION OVER THE STATE

There were altogether fifty-five teachers in the experimental pro-Ream who were engaged with their pupils in working out successfully Who were engaged with their pupils in working out the helds of safety, consumer education, recreation, and the fields of safety, consumer education, recreation, and Anservation. For the purposes of this study, it was decided to contrate particularly on the twenty-one teachers engaged in the program tonservation education and to use their experiences to typify procewhich have significance for the whole curriculum development

program. The enterprises with which they worked and their respective locations by grade and by county are given in the following chart:

locatio	ons by grade and by the array is		Section of State
Grade	Title of Enterprise	County	Eastern Shore
7	Making the Garden	Wicomico	Western
1-6	M. king and Improving the Garden	Garrett	44 62500
3	Using School Grounds for Beauty and	Calvert	Southern
	Recreation	Harford	Central
4	School and Community Forests	Harrona	a .1
	Making Garden at the Lida Lee Tall School	Baltimore	Central Eastern Shore
5	Building a Bird Sanctuary	Queen Anne's	Central
	Developing the Audubon Irail	Baltimore	Central
6	Controlling Erosion in the Glen	Baltimore Montgomery	Southern
	Making the Nature Trail	Allegheny	Western
	Preventing Erosion on a Hillside	Allegheny	Western Shore
	Conserving the Soil Fishing for Food and for Sport	Somerset	Eastern Shore
7	Fishing for rood and for opore	Worcester	
8	Hunting and Trapping Today and	ab 1	Eastern Shore
U	Vesterday	Dorchester	Eastern Shore
	Planning the Ideal Community	Caroline	
	Developing Conservation Conscious-	Frederick	Western Shore
	Controlling Animal and Insect Pests	Dorchester	Eastern Shore
9	Controlling Allimat and Insect 1	Kent	Central
10	Balancing Men and Resources	Howard	Central
11	Di anning Regionally	Baltimore	
12	Pioneering in the Management of Re-	Talbot	Eastern Shore
	sources	THIDOC	

The steps taken by these twenty-one teachers in seeking to create the desired general education program from the theoretical specifications

1. They considered with the State Supervisor of Curriculum, the may be distinguished as follows: County Superintendent, and his supervisory staff the nature and method

2. They determined the title of the enterprise which they would use. of the desired general education program.

4. They invited the critical evaluation of their supervisors, both

5. They planned and prosecuted the enterprises cooperatively with county and state. their pupils, parents, and specialists in the field of conservation.

6. They attended a general meeting at Towson on March 10, 1947, which time they at which time they reported progress to date, exchanged views with the other teachers in the fall other teachers in the field, and invited the critical judgment of the consultants who were sultants who were present.

7. In three regions, they sponsored demonstration-critique meetings.

Superintendents, principals, and supervisors from the area and from the State Department of Education were present.

8. They attended a three-week summer workshop at State Teachers College, Towson, and prepared a bulletin on "Conservation in Maryland's General Education Program". They offered the bulletin to the teachers of Maryland not as a prescription of content or of grade placement but merely as a contribution to our thinking about the nature and method of the general education program desired.

EVALUATIONS AND CONCLUSIONS

The detailed reports of the twenty-one teachers illustrate very effectively how evaluation operated integrally throughout the whole of the enterprises. The pupils generally analyzed and evaluated the situations they were when they approached them. They projected the specifics of the situations as they would like to have them and they measured their progress toward the desired situations. This procedure was gentrally true of the enterprises as a whole as well as of activities within enterprises. For instance, before writing letters or holding interviews, the pupils formulated standards and judged their performances accordingly. In the same manner they selected and used garden tools media for making murals. In preparation for making their flower Rarden, first graders planted petunia seed in a jar in their room. The came up but died after a short time. A florist was consulted. The was changed and other plans were used. Still the seed did not come The first graders tried to find why they failed. Children on all grade levels planned in detail in relationship to desired ends and took time periodically to record the effect of the measures which they were periodically to record the effect of the included. In the same manthey appraised their strengths and weaknesses in participation in group action.

TEACHERS' APPRAISALS OF METHOD

ADVANTAGES

Unified and realistic Related to the problems of living Hoids interest

provides for individual differences Related to community needs and

Improves attendance Makes use of child experience leaches democratic ways

DISADVANTAGES

1. Could not be managed by untrained or unskillful teacher

2. Requires initiative and broad knowl-

3. Difficult to give freedom to immature pupils

4. Requires special knowledge which teacher does not always possess

5. Requires more time for planning and the assembly of resources

TEACHERS' APPRAISALS OF THE ACQUISITION OF FACTS AND SKILLS BY THIS METHOD

FAVORABLE EXPERIENCES

- I. Children have keener interest in learning facts and skills
- 2. Children see the need for learning certain facts and skills
- 3. Pupils are eager to acquire facts and skills to carry on activities
 4. Facts and skills learned are more
- meaningful 5. Children have part in the selection of facts and skills
- 6. Facts and skills are learned in answer to expressed needs
- 7. Facts and skills are acquired for a purpose

QUALIFYING STATEMENTS

- 1. Additional periods necessary for systemization and drill
- The better students would get the facts and skills by either method
- 3. Better for groups of average or below average ability

TEACHERS' APPRAISALS OF EXTENT AND DEGREE OF PUPIL PARTICIPATION

FAVORABLE EXPERIENCES

- 1. Work is apportioned appropriately
- a. Each can think and plan in his own
- 3. Slow ones have ample chance to keep occupied
- 4. Great opportunity to develop leadership and initiative
- 5. Slow pupils make greater progress
- 6. Greater growth in appreciation 7. Definite and equitable individual
- responsibilities 8. Pupils become intelligent thinkers, planners, and workers
- There is lack of disciplinary difficulties
- 10. There is greater understanding

QUALIFYING STATEMENTS

- 1. Due to large numbers it is hard to keep everyone fully engaged
- 2. Teacher must have time to learn to know and to challenge varying ability

TYPICAL PARENT REACTIONS

PAVORABLE EXPERIENCES

- 1. A number of parents said, "My child would not stay home for anything"
- "My child knows more now than I did at much later period"
- 3. "My child thought this program more practical"
- 4. Parents are happy that children find use at home for what they have learned at school.

QUALIFYING STATEMENTS

- I. Parents do not know enough about the nature of the program and its
- 2. Much remains to be done by way
- of informing parents
 3. One parent said, "Children are not too They have too learning enough. much freedom

- 5. Several parents asked the nurse to give them the First Aid and Nutrition course
- 6. A number of parents noted the sudden increase in interest in the social studies program
- 7. Many parents supplied materials 8. There was agreement on the part of parents who expressed them-
- 9. One parent said, "Now schools have their feet on the ground"

TEACHERS' DEFINITIONS OF MAJOR OBSTACLES

- 1. Lack of suitable reading materials
- 2. Inability of small children to discipline themselves
 3. Inadequate provision for field trips
- 4. Lack of cooperation among teachers
- 5. Lack of space and equipment
- 6. Large classes
- 7. Lack of visual aids
- Inadequate time for planning and assembling materials
- 9. Inflexibility of schedules to. Danger of superficiality

PLANS FOR THE FUTURE

Plans for the immediate future include the following: (1) use of the bulletin on conservation and the teachers who participated in the experimental program to interpret plans and procedures to others in each county; (2) the organization of county and local school workshops; (3) the establishment of "pilot" schools throughout the state; (4) arrangements for regional meetings for demonstrations and critical evaluations; (5) use of recognized specialists for intensive experimentation in three selected areas; (6) use of staff meetings for the cooperative planning of enterprises in areas of the curriculum not yet touched by the experimental program.

TRENDS IN THE OBJECTIVES, SUBJECT MATTER CONTENT, AND EMPHASES OF AMERICAN HISTORY TEACHING IN THE SENIOR HIGH SCHOOL SINCE 1890

by EARL THOMAS WILLIS .

During the past five years there has been much discussion among educators, historians, and social scientists concerning the teaching of American history in the schools. Although this study does not concern itself with the question of how much American history should be taught, an understanding of the trends in American history teaching should prove enlightening to those who are concerned with this area of the secondary school curriculum. The primary purpose of this thesis is to trace, in broad outline, trends in objectives, content, and emphases in the teaching of American history in the senior high school since 1890.

In order to secure data for this study, reports of national committees, textbooks and courses of study in senior high school American history,

and educational literature were used.

REPORTS OF NATIONAL COMMITTEES

The reports and recommendations of official committees from such organizations as the National Education Association, the American Historical Association torical Association, and the National Council for the Social Studies are analyzed in this study, for they have exerted tremendous influence upon curriculum development and teaching in the social studies.

In 1892, the National Education Association appointed the Committee of Ten to survey and report on the secondary school curriculum. committee recognized the chief object of historical study to be the training of judgment ing of judgment and recommended American history for placement in grade eleven with a special period of history selected for intensive study

in grade twelve.

One of the most influential of the national committees was the Committee of Seven which was appointed by the American Historical Association in 1866. sociation in 1896. American history was considered an advanced subject with knowledge civil with knowledge, citizenship, and intelligent patriotism as its chief objectives. The compaint jectives. The committee advocated that less attention be given to colonial history and that it has a standard. history and that it be treated as a part of the expansion of England. Less emphasis was to be placed upon military campaigns without underestimating the main facts dealing with the wars in our history. siderable attention was given to the importance of political, social, and economic history, and a proper balance between the three phases.

^{*} A.B. 1931, Washington College; A.M. 1936, Columbia University; Ed.D. conferred No-mber 11, 1947. vember 11, 1947.

committee recommended that American history and civil government be Placed in grade twelve.

In 1907, the American Historical Association appointed the Committee of Five. This committee recommended American history and government as separate courses for grade twelve and suggested the ratio of three to two in time allocation. The study of history was recognized as more important for those who do not go to college than for those who do.

The Committee on Social Studies, created by the National Education Association, published its report in 1916. The aims of American history instruction advocated by the committee showed the influence of the war period by their emphasis on national solidarity, national efficiency, and national patriotism. The needs of those students who do not plan go to college were recognized by the committee's recommendation of the adoption of the topical or problem method, the selection of which was to be made on the basis of pupil interest and general social sig-Miscance. This committee advocated that American history be retained Rrade eleven or twelve and that it be followed by a course in Problems of American Democracy.

The American Historical Association appointed another committee in 1923 to survey conditions and tendencies in history teaching. The work of this group was known as the History Inquiry. After reviewthe work of earlier committees, this group recognized the tendency to move the American history course from grade twelve to grade eleven to make room for the analysis of modern problems. The need for spetial attention to the matter of teacher training in the social studies

was also recognized.

With the aid of a grant from the Carnegie Corporation, in 1929, the American Historical Association appointed a committee of historians, scientists, educators, and psychologists to make a comprehensive turvey of the entire field of social studies teaching. As a result of the ndertaking sixteen volumes comprising the Report were published. The value of the report was believed to result in social studies teachers the training a broader view of their work and adapting their teaching to

the changing social order. Between June 1, 1943 and October 1, 1943, a committee directed by Edgar B. Wesley and composed of representatives from the American Ristorical Association, the Mississippi Valley Historical Association, the National Council for the Social Studies undertook the problem hational Council for the Social Studies understand and colleges. The Committee said that the quality of historical study is dependent pon the objectives agreed upon. It concluded that the quality rather the objectives agreed upon. It concluded that the quantity of American history offered in the schools needed athation. Much overlapping in the content of American history courses Much overlapping in the content of American junior and the found at the various levels, especially between the junior and the

senior high school levels. In the place of a course outline the Committee recommended areas of special importance together with minimal information and skills for emphasis on the senior high school level.

From this analysis of the various committee reports, the following

1. During the period covered in this study, American history has been conclusions are drawn: recognized as a very important subject in the senior high school curriculum.

2. The National Education Association and the American Historical Association have exerted considerable influence upon the teaching of American history in respect to content, emphasis, and grade placement.

3. The various committee reports reflect an awareness of the ever increasing content of American history and contain the recommendation that the senior high school course be limited to certain areas of special importance, minimal information, and skills.

4. American history has been recommended for placement in grade eleven or twelve depending upon the other offerings in the social studies

curriculum.

5. With the publication of the report of the Commission on the Social Studies it became evident that no blueprint of courses in the social studies can be prepared and turned over to the schools. The teachers and the schools must accept responsibility for studying society and analyzing its problem. alyzing its problems. They must help their pupils develop practical competence in citizenship by stressing the skills of inquiry and discussion by promoting interest in extensive reading, and by focusing attention on those phases of American history which most help pupils to understand how the present came to be and to think and act effectively in dealing with the problems of our day.

AMERICAN HISTORY TEXTBOOKS

Considerable attention is given to the analysis of senior high school American history textbooks for, in effect, textbooks have determined the course of study. A total of sixty-one editions, published between 1885 and 1946, were analyzed in this study. Some were used in only one edition, others in four or five editions.

From an analysis of objectives based on the authors' statements uf purpose as found in the prefaces of twenty-eight textbooks, the following conclusions are stated

1. The objectives mentioned are similar to a list one may find in ing conclusions are stated:

2. The citizenship value of history was mentioned only once between almost any discussion of the teaching of history. 1893 and 1920 indicating that this value was neglected during that 3. Certain new values (to understand the present, social, and historperiod.

ical-mindedness) appeared between 1900 and 1920 and have continued since that time.

4. The patriotism objective was important in the periods of World Wars I and II.

5. Only one text examined for the period 1893-1946 claimed to pre-

sent a decided point of view—the Southern point of view.

6. During the last decade textbook writers of American history condidered the following objectives important: (a) to acquire knowledge, (b) to develop patriotism, (c) to understand the present, (d) to develop citizenship, (e) to develop historical-mindedness.

The subject matter content of the sixty-one textbooks examined in this study is analyzed in two ways—in terms of certain chronological Periods and in terms of certain selected topics. The first classification consists of seven periods as follows:

I. Discovery to the Peace of Paris, 1763.

II. 1763 to the Inauguration of Washington, 1789.

III. 1789 to the Inauguration of Jackson, 1829.

IV. 1829 to the End of the War Between the States, 1865.

V. 1865 to the Spanish-American War, 1898.

VI. 1898 to the End of World War I.

VII. Since World War I. From this analysis of content by periods, these findings are stated: 1. Whereas some of the earlier textbooks utilized as much as 40 per cent of their space on that part of our history which concerns early explorers, the founding of the colonies, and the wars for control of the continent, more recently published textbooks have reduced this material provide emphasis on recent history.

The decrease in the amount of space devoted to period II (1763has been relatively small in texts published during the past two

3. From the standpoint of the amount of space, period III (1789-1829) shows less variation over the entire period of this study than does other of the seven chronological periods.

An average of 22.5 per cent or nearly one-fourth of the textbook hace allotment is devoted to the period from Jackson's inauguration to the close of the War Between the States.

Although the earlier textbooks devoted greater space to the period Whose of the amount of space utilized for this period in texts published tine 1910 has remained stationary.

6. Not one text published prior to 1914 devoted as much as 10 per

tent to the period 1898-1918. 7. The Period 1898-1918.

The text, Hamms' The American People, published in 1939 and The text, Hamms' The American People, published, the greatest number of pages of the sixty-one books examined,

devotes a greater proportion of its space to the period since World

War I than any of the other texts examined.

The second type of content analysis of American history textbooks deals with the following selected topics related to specific phases of political, social, and economic history—wars, making of the Constitution, analysis of the Constitution, labor, tariffs, education, art and literature.

The results of this type of analysis are as follows:

r. The average per cent of space devoted to the military phases of the wars in our nation's history has dropped to approximately one-third of what it was during the decade 1891-1900.

2. Variations in the average per cent of space devoted to the story of the making of the Constitution in texts published between 1891 and

1940 have been practically negligible.

- 3. More recently published texts, especially those published during the 1930's, devoted as much as a whole chapter to the analysis of the Constitution.
- 4. Labor received very little attention in textbooks prior to 1921. Since then the average space allotment has increased slightly.
- 5. There has been very little variation in the average per cent of space
- 6. Education received slight mention in textbooks published prior to allotted to tariffs. 1921. Since then there has been no increase in space allotment.
- 7. Art and literature received no appreciable mention until the decade 1931-40.

AMERICAN HISTORY COURSES OF STUDY

A total of thirty-one editions of state and city courses of study prepared between 1904 and 1946 and two syllabi published by the New England History Teachers' Association in 1904 and 1935 are examined in this study. The in this study. These courses of study vary from single paragraphs describing the course to detailed outlines of subject matter content and explanations of procedure for both teacher and pupil.

The following conclusions are drawn regarding objectives of Ameri-

can history teaching as found in these courses of study:

1. Objectives of American history as found in courses of study are similar to, if not identical with, those stated in the textbook analysis of objectives.

2. Citizenship and information objectives appear more frequently

3. The term "patriotism" began to appear as an objective after 1931 than other objectives. in the courses included in this study and was qualified in such terms as "broad" "research" " 4. A significant trend in American history teaching according to this "broad", "reasoned", or "finer".

analysis of courses of study has been a recognition of the importance of developing skills, appreciations, attitudes, and understandings.

The results of this analysis of courses of study in respect to content and emphasis are stated as follows:

I. Earlier courses of study show traditional chronological development of history with emphasis on the political and military phases.

2. In keeping with the recommendation of the Committee of Seven for the teaching of American history and civil government in grade twelve, earlier courses examined in this study gave much attention to constitutional questions and government.

3. Increased attention has been and is being given to international relations. This development is particularly noticeable in the more recently prepared courses.

4. The inclusion of more social and economic history is noticeable, especially in those courses prepared during the last decade and a half.

5. More attention is being given to inter-American relations and hemisphere solidarity in the newer courses of study.

6. During the past decade there has developed a tendency in some of the senior high schools to combine courses in American history and government. In some instances, such a course covers a two-year period.

EDUCATIONAL LITERATURE

Educational literature was included in this study, for it reflects curtent thought on some of the committee reports and changing practices the social studies. By educational literature, reference is made to (1) such magazines as History Teacher's Magazine, Historical Outlook, Social Studies, and Social Education, (2) Yearbooks of the National Council for the Social Studies, (3) Proceedings of the Middle States Council for the Social Studies, (3) Proceedings of the Social Studies (formerly Association of History Teachthe Of the Middle States and Maryland), (4) Reports of the New England History Teachers' Association, and (5) the Sixth and Fourteenth Yearbooks of the National Education Association.

This analysis of educational literature reveals the following trends in objectives of American history teaching:

1. Educational literature evidences a concern on the part of historians teachers as to the aims and purposes of American history teaching. 2. One of the earlier discussions of objectives listed the inculcation of orical mindedness as the primary aim.

3. An investigation of American history syllabi in 1926 revealed three An investigation of American history syllabi in 1920.

thip, and the appreciation of and devotion to high ideals. 4. Research studies show that objectives of American history teaching been affected by changes or disturbances in the social order. World War I brought the demand for a "more enlightened patriotism". The

depression of the 1930's evidenced a greater social consciousness with its consequent community responsibilities. World War II brought a keener interest in human relations necessitating an exploration of the multinature of American culture and the application of democratic ideals.

In regard to content and emphasis the following conclusions are

reached from this analysis of educational literature:

1. During the second decade of the present century historians recognized that too much time and attention were given to the colonial period and the Revolution, whereas, more time was needed for stress upon constitutional questions, the development of social and political institutions, the working of economic forces, and the treatment of diplomatic history.

2. Between 1910 and 1920 such historians as Paxson and Schlesinger

recommended greater emphasis on recent American history.

3. A study of American history syllabi in 1926 revealed an increased importance of social and economic history and greater emphasis given to the foreign relations of the United States. The study also evidenced a tendency to enlarge the field and scope of American history to include the main movements in the Western hemisphere with which the United States is concerned.

4. Educators and historians in their concern for the kind of history taught advocated the teaching of such historical materials as competent scholars are able to select on the basis of scholarship, meaningfulness,

and social significance.

5. The effects of World War II are profound upon the thinking of historians and educators concerning the changes that need to be made in American history textbooks and courses of study. Such recommended changes should include a positive treatment of Canadian-United States relations, an expansion of the American history course to include a history tory of the Americas, and stress upon the world view of American history.

6. Recent studies reveal that too much is being attempted in the present American history course. Suggested procedures to correct this condition call for beginning the course with the American Revolution or the making of the Constitution—allowing more time for political, social,

and economic development and for recent problems.

7. Although no blueprint can be placed in the hands of teachers for a reorganized course in American history, certain guiding principles of content reorganization are recommended, including a reduction in the number of topics or units, a reorganization of textbooks along the broader topics, and the organization of courses around certain key periods of our national history.

8. In the light of much needed reorganization of the American history course, it is evident that a long-range plan of research and experimentation should be initiated to determine how the study of history can develop the power of reason and to suggest major developments and thought patterns that will best help students understand the past, interpret the present, and confidently face the future.

Conclusions

1. The objectives of American history teaching reflect the changing philosophy of secondary education and show the influence of changes or disturbances in the social order, especially as evidenced by wars and depressions.

2. According to recent educational literature, the development of a desire for the democratic way of life and of a desire to apply the scientific method to the analysis of contemporary problems are important purposes of American history teaching.

3. Textbooks and courses of study evidence the increasing content of

4. In general, courses of study and textbooks have followed the recommendations of national committee reports in respect to grade placement of the subject.

5. Increasing attention is being given to social and economic history, to recent history (especially to the period since the Civil War), and to international relations.

FACTORS RELATED TO THE EFFECTIVENESS OF COUNSELING

by CLIFFORD PAYO FROEHLICH .

The purpose of this study is to appraise selected tools and techniques for evaluating the effectiveness of counseling. Research aimed at evaluating counseling is needed. Today counseling is an important and rapidly growing profession. Justification for this growth and professional acceptance should be based on the demonstrated effectiveness of counseling. Likewise, the improvement of counseling is at least partly dependent upon a knowledge of the relative efficacy of the various procedures employed in this activity.

The objective of counseling is to assist individuals in making choices which lead to action for the greatest good to themselves and to society. Counseling attempts to attain this objective by having a counselor provide a situation in which the individual is stimulated (1) to evaluate himself and his opportunities, (2) to choose a feasible option, and (3) to accept responsibility for his choice and for initiating an appropriate

A review of the literature on evaluation of counseling revealed that course of action. seven methods have been used. The seven methods described in Chapter II are: external criteria, follow-up, client opinion, expert opinion, openion, specific techniques cific techniques, within-group changes, and between-group changes. the basis of this review, it is impossible to identify one method as the best. There is, therefore, a need for research to discover the relative efficacy of the various methods.

Variations in the findings of evaluative studies suggest the necessity of evaluating counseling done under a wide variety of conditions. writer believes that research should be directed toward the discovery of evaluative methods which meet acceptable standards, but which are not

beyond the reach of the practicing counselor.

Evaluative studies should obtain information of such scope and validity that existing counseling can with assurance be continued or modified in the light of the findings. To accomplish these aims, an adequate criterion must be found. The lack of suitable criteria has been the greatest single difficulty of evaluation to date. Obtaining comparative data on criteria which have been used or proposed and on evaluative tracked. evaluative methods appeared, to the writer, to be a logical first step. This study was designed to obtain such data.

The study is based on individuals whose case folders were in the closed file of the State Consultation Service. All had registered with

the Service for counseling during 1939 or later years.

^{*} A.B. 1935, Macalester College; A.M. 1939, University of Minnesota; Ed.D conferred February 23, 1948.

The State Consultation Service is a state-supported, free counseling agency, located in Richmond, Virginia. The Service appeared to be a satisfactory laboratory for the experiment under consideration, because it had adequate records of a large variety of clients counseled in accord with acceptable professional standards.

The study was sponsored by the General Education Board, the State Consultation Service of the Virginia State Board of Education, and the United States Office of Education. The professional staff for the study was composed of three full-time members and several consultants.

The study comprises two major investigations. Each is summarized neparately. The first investigation was concerned with the analysis of case-folder data. Four specific objectives of this analysis were:

1. To describe the counselee population by analysis of case folders. 2. To explore the possibility of identifying stereotypic treatment of counselees by analysis of case folders.

3. To evaluate certain beliefs commonly held by counselors.

4. To test the hypothesis that counseling could be evaluated by a determination of the relationships among data in case folders.

Contingency coefficients, chi squares, and P-coefficients were com-Puted for 178 relationships among the 30 case-folder items selected for tudy. The computations were based on a sample of 740 cases. The

nature of these relationships was analyzed and discussed. Conclusions based on this investigation were formulated in terms of the four objectives.

Conclusions Based on Analyses of Case-folder Data

The first objective was to describe the counselee population by analysis of case-folder variables. This objective was attained for those variables which which reflect the physical and social status of counselees. Variables which describe the mental and emotional status were beyond the scope of this investigation. With three exceptions, variables whose accuracy was dependent on counselor-prepared interpretative reports were excluded. This exclusion of variables, as well as the lack of test scores, accounts to the for the lack of data on counselee's feelings, drives, aptitudes, and abilities. Two major questions in line with this objective remain unanswered. though major questions in line with this objective remain uncompared by the use of test much would the description of counselee be improved by the use much would the description of counselee be improved of test-score data? What additional variables, especially those obtained treetly can be used profitdirectly from the counselee at the time of counseling, can be used profit-Further research is indicated.

Turther research is indicated.

determine the feasibility of using case-folder analysis for identidetermine the feasibility of using case-folder analysis and stereotypic treatment of counselees was the second objective. instances in which stereotypic treatment was suspect were identhed instances in which stereotypic treatment was suspect interpretations were difficult because no satisfactory norm of Interpretations were difficult because no saturation, treatment was available. The technique is useful in identifying patterns in the treatment of counselees. The evaluation of these

patterns rests on the judgment of the investigator.

This investigation demonstrated the possibility of evaluating commonly held beliefs of counselors. This was its third objective. types of common beliefs which can be evaluated are limited by the data available. In one instance it was shown that a knowledge of the counseling procedures made it possible to reach conclusions from logically related data which were similar to those obtained from data bearing

The fourth objective was to test the hypothesis that counseling could directly on the problem. be evaluated by a determination of the relationships among data in case folders. Here, as in the second objective, the validity of the evaluation rests in a large measure on the quality of the evaluator's judgment. distinct difference between the two is apparent, for in this case the criteria are the standards which the investigators believe are acceptable. Failure to meet these standards is more easily identified than is stereotypic treatment. An example may clarify the point. The concentration of counselors' recommendations for females in the short-term planning category as opposed to long-term planning for males indicates the possible existence of stereotyped methods of dealing with counselees. clusions are limited by the lack of a norm for distribution of recommendations. On the other hand, the counseling of 56 percent of clients in 1939-40 without any test evidence clearly does not meet standards accepted by this investigator or by most guidance workers. Determination of relationships among case-folder data yields evaluative data.

The second major investigation in this study analyzed data obtained by follow-up of counselees. The specific objectives set for this investigation were:

1. To compare follow-up data obtained by personal interview with

data obtained by mailed questionnaire.

2. To determine the relationships among certain follow-up criteria which have been used or proposed by recognized guidance leaders.

3. To determine the relationships between those criteria found to be relatively independent of one another and selected items recorded in

This investigation is based on two samples composed of persons whose case folders. case folders were in the closed file of the Consultation Service. first sample was the same as that used in Chapter III, the analysis of Case-folder data. The case-folder data. They were followed up by personal interview. second sample, composed of 740 cases also drawn from the closed file, were followed up by mail 1 were followed up by mailed questionnaire. Usable follow-up data were obtained from 270 personal data were obtained from 279 persons followed up by interview, and from 225 persons followed up by mailed questionnaire. Comparisons between data obtained by interview and by mailed questionnaire were made. Interrelationships among items obtained during the follow-up interview were ascertained. Certain follow-up items were then compared with selected case-folder items.

Conclusions derived relative to each of the objectives from this inves-

The first objective of this investigation was to compare follow-up data obtained by personal interview with data obtained by mailed questionnaire. Although it was impossible to obtain strictly comparable sample populations upon which to base such a comparison, the differences found appear to be gross enough to have resulted from other factors than sampling error.

Through intensive efforts it is possible to obtain follow-up data by personal interviews from persons representative of the original sample. If, however, dependence must be placed entirely on follow-up by correspondence and mailed questionnaires, even intensive efforts along these lines are likely to yield a biased response to the original sample. Useful tesponses to such a technique are likely to be made by those in the original sample who (1) have had the most schooling, (2) are continuting their education, (3) hold sales, clerical, managerial, professional, or that they dollowed the plan suggested, and (6) recall their counseling their education well.

Persons responding to mailed questionnaires more frequently express opinions favorable to counseling than those followed up by personal interview. It appears likely that this favorable attitude tends to color for the responses to questions which are designed to provide data criteria other than attitude toward counseling. Since in mailed many of the responses, it is likely that the inter-correlations among items will be higher than in personal follow-up data. Under these factors, the criteria would not be expected to be as independent of the potential of the personal follow-up data.

The mailed questionnaire method was found to be considerably less spensive than personal interview follow-up. Follow-up data were lany more such persons could have been contacted had it been possible person greater distances.

Persons responding to mailed questionnaires tend to be those who mailed questionnaires tend to be those who mailed counseling well. The analysis of follow-up data indicated having a good remembrance of counseling are more frequently whom counseling resulted in some overt action—such as making a making the counseling resulted in a long-term plan,

counselees are less likely to remember. It may be, therefore, that the mailed questionnaire technique introduces an additional bias not present

The second objective of this investigation was to determine the relain the interview follow up. tionships among certain follow-up criteria which have been used or proposed by recognized guidance leaders. The individual items included on the follow-up schedule were selected from among the many found when the literature was reviewed. Most of the intercorrelations among the items were found to be extremely low. It would appear, therefore, that many of the differences in results of evaluative studies reported in the literature may well be criterion differences. This finding has important implications for invstigators concerned with the evaluation of counseling. An analogy can be drawn from the field of mental testing. When the term I.Q. was first introduced, it was frequently used as if it were an absolute. Now it is generally recognized than an I.Q. is not only dependent upon the person being tested but also upon the test being used. Thus, in mental testing we have "Stanford-Binet I.Q." or "Weekeler Bellevin I.Q." "Wechsler-Bellevue I.Q.", which indicates that the I.Q. was derived from the Stanford P. from the Stanford-Binet or from the Wechsler-Bellevue test. It is apparently equally as important in evaluation to qualify results by designation of the criterion ignation of the criterion. Many of the apparently conflicting findings of the studies reviewed in Chapter II are resolved in the light of this

In preparation of the follow-up schedule, the writer arranged the items in five major categories. This was done on the basis of a knowledge of counseling and edge of counseling and reviewing the literature on evaluation. In general, the correlations among the items in each group were greater than the correlation with items in other groups. Items in which the counseler evaluated the helpfulness of counselors tended to be related, irrespective of category. This fact of category. This finding tends to support the writer's belief that criterion items can be roughly assayed by logical rather than experimental procedures. If this is true, then it may be possible to make rough comparisons of the Comparison of the Comparison of th rough comparisons of the findings of studies reported in Chapter II without resorting to comparisons.

It was found that certain of the items included in the follow-up schedwithout resorting to experimental procedures. ule were significantly associated with each other. Each group of highly related items was found to be related items was found to be relatively independent of other groups of inter-related items. Fash of inter-related items. Each of these groups of items was selected as a criterion. The first criterion criterion. The first criterion, occupational adjustment, contains jobs, items. They are the client's in items. They are the client's job satisfaction, his desire to change jobs, and a follow-up interviewed. and a follow-up interviewer's rating of the client's occupational adjustment. The second criterion ment. The second criterion, personal adjustment, is composed of items dealing with a number of condealing with a number of perplexing problems which the client has at time of follow-up, his reaction. time of follow-up, his reaction to the number of social activities in

which he participates, and a follow-up interviewer's rating of the client's personal adjustment. The client's attitude toward counseling is the third criterion. It is composed of items dealing with the counselee's remembrance of counseling, his opinion of the helpfulness of the counselor, and the number of persons to whom he has recommended counteling.

Each of these criteria appears to deal with a separate aspect of counseling effectiveness. Since items in each of the criteria possess a high degree of communality, it is believed that they are reasonably stable criteria. In addition to these three criteria, two others were selected. Although both deal with change in status after counseling, they are independent of each other. The one deals with gross changes in occu-Pational level and the other with changes in the amount of schooling attained by the client. Accomplishment of the second objective of this investigation made possible the identification of these five independent Criteria of the effectiveness of counseling.

The third objective was to determine the relationships between the criteria found to be relatively independent of one another and selected items recorded in case folders. The primary recommendation made by counselor and the major outcome as determined by the counselor were found to be significantly related to the occupational adjustment criterion. Significant relationships were found between the personal adjustment criterion and number of personality tests given, the total number of

tests administered, primary problem as seen by the counselor, and

Primary recommendation made by counselor. The attitude toward counseling criterion was significantly associated with more of the case-folder items than any of the other criteria. It was found to be related to the following: year counselee registered for service; the counselor handling the case; the number of scholastic aptilude, interest, personality, and dexterity tests administered; the total hamber of tests given; primary problem as seen by the counselor; primary recommendation made by the counselor; and the major outcome as determined by the counselor.

The change in occupational status criterion was found to be sighistoantly related to the counselor handling the case and the primary recommendation made by the counselor. Significant relationships bethreen change in educational status and the following items were found: change in educational status and the following nems broblem of scholastic aptitude tests, number of dexterity tests, primary recommendation problem as seen by the counselor, and the primary recommendation hade by the counselor.

No by the counselor.

Statistically significant relationships between any of the criteria the statistically significant relationships between any of the criteria the following case-folder items were found: number of special the following case-folder items were found: number of conferences concerning the client which the hald with others, the number of counseling contacts which the

client had with the counselor, or referral of the client by the counselor to others.

Two types of case-folder items were compared with the criteria. Those items which enumerate counselor activity, such as the number of counseling contacts, are not as closely related to the criteria as those which directly reveal the counselor's judgment. The judgment items considered in this investigation were primary problem as seen by the counselor, primary recommendation made by the counselor, and major

outcome as determined by the counselor.

In Chapter III it was reported that the counselor activity and the counselor judgment items were significantly associated with each other. It appears, therefore, that counselor activities may be important elements influencing the counselor's judgment. In the investigation reported in this Chapter, counselor judgments were found also to be significantly associated with criteria of the effectiveness of counseling. But the counselor activity items were not found to have a significant relationship with the criteria of counseling effectiveness used in this study. though counselor activity and counselor judgment are associated and counselor judgment and the criteria are related, it does not follow that counselor activity and the criteria are necessarily associated.

The reasons for the lack of association between counselor activities and criteria of the effectiveness of counseling are myriad. The most important one may be differences in counselees. For example, the counselees. selor may use the same activities with two counselees and by these activities arrive at different judgments for each client. One accepts the counselor's judgments, the other rejects them. When these counselor's case (1) selee's are followed up, a relationship between counselor judgment and criteria of effectiveness may be discovered, because the different judgments each led to a different outcome. But no relationship between counselor activity and outcome criteria may be apparent, since the same activities led to different outcomes. The writer believes that this example can be generalized and stated as a hypothesis. Criteria measuring the effectiveness of counseling must be applied to counselor judgments. ments. Only after the judgments have been evaluated, can counselor activities basic to these counselor judgments be evaluated.

If this hypothesis is tenable, a two-step evaluation of counseling is in order. First, the counselor judgments should be compared with criteria of the effectiveness of counseling. This investigation has suggested five such criteria. This process will identify those counselor judgments which are effective, as well as those which appear to be of little effect in producing conditions measured by the criteria. The second step can then be taken. Counselor activities may then be analyzed to determine their usefulness in helping counselors make effective judgments. wise, such an analysis will enable counselors to discover the nature of activities which caused them to make ineffective judgments. The writer believes that such evaluation can be done successfully by methods employed in the ineffective judgments.

ployed in the investigation reported.

The use of these methods provided data for conclusions concerning the counseling done at the State Consultation Service. The Service was most effective in dealing with males, persons in need of short-term planning, clients with dominant personal problems, and those who were counseled in recent years. The testing program fluctuated greatly from time to time, dependent largely on the staff personnel employed. Case folders contained little evidence that the counselors had knowledge of the outcomes of counseling. Only 10 per cent of clients believe that counteling was of no help, but nearly half indicated that they did not follow plans made during counseling. The specific activities of the counselor were related to the recommendations he makes. But these activities are not as closely associated with the action taken by the counselor.

Recommendations regarding counseling techniques and the operation of the State Consultation Service were made. Counselors should specialize in the type of clients handled. In-service training on testing thould be organized to promote greater understanding by counselors of the uses of tests. The methods of counselors using fewer interviews and conferences with others should be studied in an attempt to identify specific techniques used which enable them to complete counseling more rapidly. More effective means should be employed to determine that the counselee accepts plans made and that he does not have other problems which he wishes to discuss. Special attention should be given to ways of assisting counselees to participate in a greater number of social activities. A continuous follow-up plan should be devised to keep counselors apprised the counselee's progress and his need of further counseling.

IMPLICATIONS FOR GUIDANCE WORKERS

The writer believes that this study has implications for guidance horkers in general. The principal findings having wide application are humerated below:

1. The evaluative criteria and methods employed influence to a large extent the findings of any evaluative study which attempts to assay the of counseling. It appears that the findings are almost specific to criteria. Thus, if client opinion is taken as the criterion of successful tipe of counseling, the evaluation will place counseling in a favorable light. It is following a plan made during counseling is the criterion, counseling will appear to be of little value. That the findings are influenced the method as well as the criteria used was evident from the committed in the composition of questionnaire and interview data. These facts are the basis the next generalization.

2. Guidance workers in evaluating programs may do well to employ the criteria and methods used in this study. Since the findings are so dependent upon these factors, this would provide a basis for comparison. It has been pointed out repeatedly in this study that lack of comparative data or norms made it extremely difficult to reach sound conclusions concerning counseling. By using the criteria and methods of this study, a frame of reference will gradually be built up for evaluating counseling done under different conditions. The writer recognizes the presumptuousness of this suggestion, but feels that it is justified. The criteria were selected from those used or proposed by recognized guidance leaders. In a sense they represent a final ruling of the best criteria to date. The methods used meet acceptable research standards, yet may be employed by persons not highly trained in research.

3. Finally, this study demonstrated the folly of trying to evaluate counselor activities in terms of final counseling outcomes. This is, in the opinion of the writer, the most significant finding in terms of practical application in further studies. Determination of the factors related to counseling is a two-step process. First, counselors' judgments must be evaluated in terms of final outcomes of counseling. Second, when the relative merits of the judgments which were made by the counselor during counseling have been determined, the activities basic to those

counselor judgments can then be evaluated.

FREDERICKSBURG AND VICINITY IN PERSPECTIVE: A STUDY OF A RURAL-URBAN COLONIAL NEIGHBORHOOD

by OSCAR HADDON DARTER *

The purpose of this abstract is to give a summary of a study which has been made regarding Fredericksburg and vicinity as a cosmopolitan rural-urben colonial community.

As a background factor, the study is concerned first with the Indian People of the Rappahannock Valley and their culture. The over-all Picture of this Indian culture shows that it was intertribal in character.

The native culture of this section was a composite of many culture Patterns, and the arts and artifacts of these Indians became widely distributed. These articles found their way into distant places of continental America-Tennessee, Alabama, Georgia, Pennsylvania, North Carolina, Florida, Maryland, New York, California, Louisiana, Mississippi, and other localities, and those made by Indians in distant places have been found in this section.

With the coming of the white man, the native cultures mixed with the European cultures and African patterns, a commingling which tended to broaden the outlook of both peoples. The European elements represented nearly every nationality—English, French, Spanish, German,

Swiss, Dutch, Jewish, Scottish, Irish, Welsh, and others.

Travelers from nearly all parts of Europe visited Fredericksburg and the Rappahannock Valley during the eighteenth century and left accounts of their observations. Many of these accounts are quoted in this disrtation. The picture their accounts present is one of cosmopolitanism.

The varied business, industrial, commercial, and trade interests of the People of the town further indicate this cosmopolitanism, especially of the professional classes—merchants, doctors, lawyers, ministers, and tutors. A full picture of the business concerns in Fredericksburg is Riven in the chapter on "Major Industries in Colonial Fredericksburg." the following examples are taken from that chapter:

The Spotswood Company held 125,000 acres of land and ran four tron furnaces in the vicinity. The Principio Company of Maryland had targe holdings in the Fredericksburg area. The Hunter Iron Works was perhaps the largest of these mining interests. The advertisement for borhaps the largest of these mining interests. disted of a large "forge with eight fires and four hammers a herchant flour mill . . . a grist mill a smith shop with three hone . . a nailery, a tanyard, cooper, carpenter, and wheelwright hops · · · a nailery, a tanyard, cooper, carpenter, and . · · · a coal house . . . saw mill several mechanical

Conferred May 26, 1948.

branches and houses for managers, millers, and workmen, with tools and utensils . . . and one hundred Negro slaves working at the forge." Hunter's manager, John Strode, in 1805 submitted a "Plan" for establishing iron works in Spotsylvania County to include sixty thousand acres of land. He estimated the proposed works and land to be worth \$120,000. Spotswood had twice this acreage and four furnaces, as previously stated; therefore, his iron interests must have been worth

much more than the project proposed by John Strode.

Thomas Jefferson described the volume of trade of Falmouth and Fredericksburg in 1770 by saving: "The most considerable Iron Works up this river makes 11/2 ton pr. day into bar. 23 Ships, 6 Snows, 13 brigs. 31 Schooners, 12 Sloops. 11,763,088 pounds of tobacco, 7029 bu. of wheat, 9209 bu. Corn & 5594 Bar.le Bread and flour, 1131/2 ton bar, 364 pig Iron 67 tons Hemp besides lumber." Dr. Schopf described the Hunter Works in 1783 by saying that "Above Falmouth near the falls of the Rappahannock, is one of the finest and most considerable iron works in North America. More than 6-800 tons are worked here yearly . . . These works are distinguished besides a rolling and slitting mill, and of this there are only two or three in America." Jefferson referred to the town as "being constantly filled with sailors from all parts of the

There were over three hundred and fifty separate businesses in Fredworld." ericksburg between 1750 and 1780, as compared with 583 today. Many of these concerns did a large-scale business, carrying on extensive foreign as well as domestic trade. There were four large public tobacco warehouses and at least eleven other warehouses of various kinds, in addition to several public warehouses for wheat and hemp. Other relatively large concerns included shipping firms, mercantile establishments, tanneries, salt works, potash plants, lumber yards, flour and grist mills, and several

The trade relations of the merchants of Falmouth and Fredericksburg factories. reached far inland and included forty-three North American coastal towns from Quebec to Bermuda as well as one hundred and twenty-five extra-continental ports. Luigi Castiglioni described Fredericksburg in 1785 by saying that "Fredericksburg like Alexandria enjoys the privilege of a City." William Loughton Smith five years later tells us that the town had "upwards of 300 houses," which meant that Frederickshurg

had approximately three thousand inhabitants in 1790.

In many other aspects the town and neighborhood reflected the same air of cosmopolitanism. This world outlook is manifested by the travel and correspondence of the members of the upper classes, by their libraries, by the tutors who taught in their homes, by the schooling of the members of these families, by their membership in fraternal and learned societies.

Bertram Maxwell made a significant statement and one which is highly applicable to the aristocracy of the Rappahannock Valley when he wrote: "Early eighteenth century nationalist writings were humanitarian, that is, they had a high regard for mankind in general and relied upon reason rather than exaggerated patriotism and sentimentalism to solve all problems. The authors were internationalists in that they were enlightened cosmopolitan world travelers, and they believed that internationalism could be served best by intelligently governed individual nations, each contributing its part to a world system."

The reason for such an outlook on the part of members of the upper classes of Fredericksburg is given detailed treatment in this dissertation. The town was a commercial, cultural, political, and communications center. The postal headquarters of the British Dominions of North America and the West Indies were at Fredericksburg from 1730 to 1753, when Alexander Spotswood, John Lynch, and Elliott Benger, all resi-

dents of this vicinity, served as Deputy Postmasters-General.

In respect to travel, it is shown that merchants, ministers, doctors, tutors, and planters made frequent trips to Europe, the West Indies, and other parts of the world. They carried on correspondence with friends and men of business in all these places. The libraries of these men were relatively large and well chosen, containing many books on the classics, law, history, divinity, philosophy, mathematics, surveying, science, geography, travel, education, and business. There were books in various languages—French, German, Spanish—also magazines, gazetteers, books on military arts, and the like. In many of these libraries were to be found the works of such authors as Puffendorf, Grotius, Spinoza, Newton, Blackstone, Molière, Addison, Montesquieu, Locke, Chaucer, Erasmus. Some of the better libraries contained over fifteen hundred volumes, as did that of John Mercer, and that of Robert Carter. Of the tutors who taught in the several homes of the neighborhood and the schools which were found in the town and vicinity, attention here called to only a few. There were nearly fifty schools in this immediate area between 1750 and 1780, at least half of which were in redericksburg. The school conducted by Rev. James Marve was perhaps the most famous one in the town. "The Ducking Hole" School, which Thomas Jefferson attended, was only a short distance from Fredericksburg. Rev. Archibald Alexander, who later became President Hampden-Sydney College and founder of the Divinity School of rinceton, was tutor in General Thomas Posey's home. Others included John Harrower, Phillip Fithian, Martin Heely and Col. Bernard Moore, Rev. William Yates. Thomas Nelson states that he was tutored Mr. William Price, at Mr. Willis's" in Fredericksburg.

Of special interest are the McPherson Charity School founded by left by Archibald McPherson in his will of 1753; the Fredericks-

burg Academy, founded in 1785 and whose president was James Mercer; and the Fredericksburg Medical College, which must have been estab-

lished about the same time or earlier.

There were thirty-seven doctors in colonial Frederickshurg, many of whom were educated in Edinburgh University, the University of Paris, and various other universities of Europe. Dr. John Tennent wrote an "Essay on Pleurisy" about 1735. Dr. Thomas Walker, the famous physician, soldier, explorer, and scientist, lived and practiced medicine in Fredericksburg. He was, perhaps, the first to explore the Kentucky and Tennessee countries and leave an account of his observations, which he recorded in his Journals. His Journals were the principal source of information used by Dr. John Mitchell in preparing his Map of 1755, "The most historic map of America." These journals were also the source of Thomas Jefferson's information on the geography, anthropology, zoology, botany, and the natural resources of Virginia and the back country.

It is interesting to consider the higher education of the colonials of the Rappahannock Valley. James Monroe, John Marshall, John Mercer, and many others went to the College of William and Mary for their advanced schooling. Of the southern graduates of Philadelphia College, Dr. Ewing Jordon states that "the first Southern student matriculated in the College May 25, 1754. Previous to 1775, thirty-five Southern students were graduated from the College Department, and about half that number were graduated from the Medical School. number of Southern matriculates in our University, previous to the Revolution, numbered at least twice, if not four times, as many as the total number of graduates I have given." Dr. Jordon listed the names of students from Virginia. Almost the entire number were from the Rappahannock Valley or from the counties immediately contiguous to it. Of the students from Virginia listed by Dr. Jordon, twelve attended Princeton, six studied at Pennsylvania College, one was a student at Harvard, and one attended King's College.

In an article appearing in the William and Mary Quarterly entitled "Virginians Educated in Great Britain," there are listed thirty-seven students who were from the Rappahannock Valley counties. No other regions of Virginia can compare with the Rappahannock Valley in the number of colonials who were educated abroad. The European schools, colleges, and universities represented by persons from this section of Virginia, include Appleby, Cambridge, Eton, Edinburgh University, Leeds Academy, Inns Court, Oxford, University of Paris, and the

University of Glasgow.

In considering Fredericksburg and its neighborhood as a center of literary production, it should be pointed out that the primary importance of the major postion (a) of the major portion of the writings produced there is determined mainly

by their historical significance. These writings represent nearly every field of learning. They were produced by men versed in the sciences of law, politics, and statesmanship, and by scholars, teachers, ministers,

doctors, philosophers, travelers, historians, and scientists.

As to the fraternal and learned societies to which the men of this section belonged, the American Philosophical Society is perhaps first and most significant. Of the five members from Virginia who were elected to the Society in 1769, all were from the Rappahannock. Of the fifteen Persons from Virginia who were made members of the Society before 1800, eleven resided in Fredericksburg and the neighboring area. The states and countries represented by the membership of the American Philosophical Society prior to the beginning of the Nineteenth Century included eleven of the American colonies, Antigua, Austria, Barbados, Belgium, Bohemia, Denmark, England, France, the German States, Iceland, India, Ireland, Italy, Jamaica, the Kingdom of the Sicilies, Latvia, Lithuania, Majorca, the Netherlands, the Netherlands Indies, Nova Scotia, the Papal States, Poland, Portugal, Prussia, Russia, St. Croix, Santo Domingo, Scotland, Spain, Sweden, Venetian Republic, and West Florida. Correspondence was carried on among these members and their writings were published and circulated by the Society.

Most of the more prominent leaders of the Rappahannock Valley belonged to the Masonic Lodge of Fredericksburg. Seventeen counties of northern Virginia were represented in its membership. Fredericksburg Lodge furnished six generals to the Continental armies: Hugh Mercer, Thomas Posey, Oliver Towles, Gustavus B. Wallace, George Weedon, and William Woodford, besides the Commander-in-Chief,

George Washington.

The Virginia Chapter of the Society of the Cincinnati was organized Fredericksburg on October 7-9, 1783. Most of the Virginia officers who had served in the Revolution were charter members of the Society. Fredericksburg was the principal social and amusement center of northern Virginia. As an indication of the sense of social values of the citizens of Fredericksburg and neighborhood, a quotation from a Petition of Subscribers for the Repair of the Market House" after the Revolution is of interest: "We the Subscribers having a due sense of the great Utility afforded the Country in general as well as the Inhabitants of the Town of Fredericksburg by the commodious situation not the Town House in said Town, which rendered accommodation, not only to polite, and numerous Assemblies, by which youth were greatly benefited, but also to all sorts of Ancient and Modern Societies of

Fellowship." Frederickshurg was the Derby center for the colonies in the sense that Louisville, Kentucky, is the center of that sport today. The men of the neighborhood who led in the horse-racing activities were General Alexander Spotswood, Col. John Tayloe, Francis Thornton, William Fitzhugh, Philip Lee, Landon Carter, Mann Page, Thomas Minor, and George Washington. The gentlemen who specialized in horse-racing frequently imported stallions from England, Spain, France, the Medi-

terranean, and other parts of Europe.

Theatrical programs, concerts, and various kinds of stage entertainments were given at Fredericksburg. Mr. Sonneck in his Early Concert Life in America, 1731-1800, makes a very interesting statement in this connection: "Whereas in the other Colonies, New England excepted, high-life was centralized in one city, Virginia could boast of several towns of almost equal importance and equal social attractions: Williams burg, Richmond, Fredericksburg, Alexandria, to which may be added Norfolk and Petersburg."

A consideration of the religious affiliations of the colonials should not be omitted from this account of Fredericksburg. There were several sects besides the Episcopalian which established themselves in the Fredericksburg area at an early date. These Episcopalians built a church about 1720. The Society for the Propagation of the Gospel in Foreign Parts contributed funds toward the erection of this church and helped in paying the salary of a minister. The St. George's Church was provided for at the time of the founding of Fredericksburg in 1727.

The Quakers were in this section of Virginia as early as 1657. Records of this date refer to a Quaker settlement at "Croaton on the Rappahannock River." The Quakers led the fight for religious free-

dom during the first century of Virginia's history.

As early as 1650 Roman Catholics settled at Aquia, founding the first Roman Catholic colony in Virginia. Margaret and Giles Brent of Aquia won distinctive places in American history. The first is often referred to as "America's First Feminist" because she was the first woman to lead the fight for women's rights. Col. Giles Brent led the Staffordians in the Bacon Rebellion, whose leader, Nathaniel Bacon, Wertenbaker refers to as "The Torchbearer of the Revolution."

Jews had undoubtedly come to the upper Rappahannock in early days. Ezekiel Levy's name appears on the rolls of the Masonic Lodge of Fredericksburg in 1755. Michael Gratz of Philadelphia had a counting house in Fredericksburg in 1777. Gratz helped to finance several members of the University of the University of Philadelphia bers of the Virginia delegation at the Continental Congress in Philadelphia and engaged in business partnerships with many leaders of the Fredericksburg area.

The Presbyterians took a leading part in affairs of Virginia and of the area about Fredericksburg. They were pioneers in establishing institutions of learning. institutions of learning not only in New Jersey, but also in Virginia.

Princeton was attended by many from the Rappahannock.

The Baptists established several churches in the Fredericksburg

Vicinity; the first was perhaps the Waller Church, organized in 1769. Their contribution to the cause of religious liberty was very important. The Methodists entered the Fredericksburg scene toward the close of the Revolution. They suffered some persecution in the fight for religious freedom.

The people of the Fredericksburg neighborhood played a significant tole in the westward movement. Alexander Spotswood led the way in his transmontane journey across the Blue Ridge in 1716. The men of this area were among the earliest explorers of the Kentucky and Ohio countries. Thomas Walker has already been mentioned in this con-Men of this locality organized the Ohio Company and took the leading part in promoting its interests. Christopher Gist and George Rogers Clark were early pioneer surveyors of the Ohio and Kentucky Countries. Joist Hite and Robert McKay of Falmouth and Frederickshurg, obtained a grant of 120,000 acres in the Shenandoah Valley in 1732, the earliest grant west of the Blue Ridge Mountains. Men from the Rappahannock Valley may be credited with initiating and promoting the early settlement of the West.

The same may be said about Fredericksburg with respect to the Revolutionary War. The men of this area were leaders in initiating the War for Independence. At Fredericksburg were formulated on June 1, 1774, the now famous Fredericksburg Resolutions which ended with these words: "God save the liberties of America." On June 24, 1774, the Spotsylvania Resolutions were drawn up. Even before this the citizens of this section had drafted the Westmoreland Resolutions protesting the Stamp Act. People of this neighborhood were the moving pirit of the Revolution. John Fiske says that "Formal defiance came itst from Virginia." Men like Richard Henry Lee, George Wash-Ogton, George Mason, James Madison, played significant parts in the truggle for independence.

Frederickshurg was the arsenal, storehouse, recruiting center, for a large portion of the Continental armies. The Public Manufactory of Atms Portion of the Continental armies. The Funter Iron Works was established at Fredericksburg. The Hunter Iron Works was established at Fredericksburg. The frunces was most important. James Mercer described Fredericksburg's im-Antance during the Revolution in these words: "There is not in this State a place more deserving of public mention than this Town and its Works Mr. Hunter's Iron Works . . . From Mr. Hunter's all other Troops employed in this State or to the Southward this

Attention must also be given to the influence of this community upon American history. Its story, in this respect, should begin with the native hibes of Indians. No accurate estimate of their contribution can be The winning and settling of these parts by the pioneers is just

as difficult to measure. Spotswood's influence on the westward movement and his pioneering in the iron industry are a little easier to examine but must remain unmeasured. How shall we evaluate the contributions of figures like George Rogers Clark, John Paul Jones, Dr. Thomas Walker, or organizations like the Ohio Company, in estimating the influence of this part of Virginia upon the West? When we consider the Revolution we cannot measure the influence of men from this section in the Continental Congress, nor tell how great the military contribution of this area was to the struggle for independence. It is still more difficult, perhaps even impossible, to say how much the writings of the men of Fredericksburg have meant to our Nation's history. Without attempting any of these impossibilities, we quote from a letter from the dean of all American historians, Charles Beard. In his letter to the present writer concerning the influence of men of the Fredericksburg area upon American thought, he says:

"Expressing a worthwhile opinion on the great personalities mentioned in your letter is indeed beyond my poor powers. What a list! All superlatives pale in any attempt at a brief estimate. Whole volumes are needed to tell the truth about them (if 'the' truth is not beyond

human minds).

"As to John Taylor, additional studies have confirmed the judgment which I rendered years ago. Referring to his opinion which he expressed in the article in the Dictionary of American Biography on John Taylor's 'An Inquiry into the Principles & Policy of the Government of the United States.'] As I search my mind, I am inclined to the opinion that Madison exerted more influence on my studies of American history history ican history when I began. I am inclined to place John Adams second, and John Taylor third. Yet such assignment of 'weights' is dubious. Nor must I leave out Jefferson. At all events, apart from John Adams, it has been four or five Virginian men whom you mention, to whom I am most indebted for guidance in my sudies of American history during 'the heroic age' of our national life. With them, however, I must associate Jefferson. Moreover, as I continue my studies of American institutions, I am constantly recurring to Washington, Madison, Ll view Mason, and other great Virginians and wondering how they would view the personalities and tendencies of these times."

In conclusion, it has been shown by this dissertation that Fredericks burg was the principal seat of government, learning, church, theater, and sports of northern Virginia, and that it was an important center of commerce, business, and social life. It was the residence of the professional classes, and social life. sional classes—ministers, doctors, lawyers, teachers, merchants—and a center of interest for the planters who maintained close relations with it. It has also been shown that its population exceeded five thousand, and was been shown that its population exceeded five the and was heterogeneous; that the cultural and business outlook of the upper classes was cosmopolitan; that their contacts and interests were world-wide; and that the town possessed an air of cosmopolitanism.

It is reasonable to conclude that towns throughout the colonies were likewise cosmopolitan and flourished in the southern colonies as well as in the northern.

THE INDUCTION OF NEW TEACHERS

by BLAKE SMITH ROOT .

THE PROBLEM

This study is concerned with the induction of new teachers in public elementary and secondary schools. By the term "induction" is meant the in-service preparation needed to enable a new teacher to undertake his initial assignments, and to make a successful adjustment to the school and community. The term "new teacher" is applied to the beginning teacher who is assuming instructional duties for the first time as well as to the experienced teacher who has obtained an assignment in a new school situation.

The study examines the needs of teachers in new school situations and the status of current induction practices. Suggestions concerning the planning, execution, and evaluation of an effective induction program are drawn from the findings. Among the questions considered are:

1. What is the nature of the administrative activity termed "teacher

2. What are the relationships between the induction of new teachers induction"? and the other supervisory programs of the school?

3. What are the initial orientation and induction needs of teachers in new school situations?

4. What basic aims establish the framework of a good induction program and what outcomes may be expected?

5. What are the current induction practices of certain selected schools? Considering the knowledges, skills, attitudes, and understandings most comments. ings, most commonly needed by new teachers, which practices are most effective in contributing to the rapid adjustment of teachers to new school situations?

6. Considering the needs of new teachers and the resources for their training, what management principles govern the planning, execution,

The study was premised upon the belief that too little is being done and evaluation of an induction program. to help new teachers to adjust to new school situations, with a consequent loss of teachers quent loss of teaching efficiency and not infrequently the loss of the

Since no comprehensive attack on the problem of teacher-induction new teachers themselves. was found in the literature, this study was undertaken in the hope that it would provide a synthesis of the concepts concerning the nature of teacher-induction and the problems involved in the administration of effective programs.

^{*} B.S. 1927. Monmouth College; A.M. 1931, University of Illinois; Ed.D. conferred No-ember 11, 1948. vember 11, 1948.

PROCEDURE

In addition to a review of the literature, information was gathered through individual and group interviews and the use of a questionnaire.

The periodical literature was found to be a more fruitful source of information than books and pamphlets. Administrative handbooks were found helpful in determining practices. Management practices in government and industry were reviewed for purposes of comparison. Several unpublished graduate studies were located.

Group interviews involving modified committee procedures were used to identify the needs of new teachers in specific situations. Initial interviews were used to identify major categories of needs. From these a check list was devised for use in subsequent group interviews. The data gathered was checked by means of individual interviews and a questionnaire.

Subsequent to the committee activity, a questionnaire was developed for the purpose of obtaining information about current induction practices in selected schools throughout the country. It was mailed to 248 school administrators in the 48 states and the District of Columbia.

Completed questionnaires were received from 199 administrators including 103 secondary school principals, 84 elementary school principals, and 12 other administrative officers. This constituted an 80 per cent return from those to whom questionnaires were sent. From 2 to 8 replies were received from each of 47 states and the District of Columbia.

Communities represented ranged in size from one with a population of 1200 people to large metropolitan areas such as New York City. Thirty-nine per cent of the communities were within a population range of 10,000 to 50,000 people.

FINDINGS

The Nature and Status of Teacher-Induction.—Teacher-induction is identified as one of the most important supervisory functions of school administrators. It is apparent that most, but not all, of the induction scrivities considered in this study constitute the initial part of the integrative training program of the school. While the school principal is program, the person most responsible for the success of an induction bard, and state department of education are essential. In the long toblem, their attitudes determine what most of the principals do about the

The status of teacher-induction and the need of maintaining an effective program is established by the limitations of pre-service preparation, inadequate supply of competent teachers, the administrative repossibility for teacher failure, the high rate of teacher turnover, and the low teacher morale. In addition, lack of sufficient attention to the problem of teacher-induction has accompanied the comparatively slow development and adoption of forward-looking principles and practices in the field of public school personnel administration. These limitations have resulted in a lowering of teaching efficiency and consequent losses in the educational growth of children. This study concludes that these losses can be considerably reduced by means of an effective induction

Since the induction program is the initial and one of the most important parts of the total supervisory program, an analysis is made of the relationships of teacher-induction to other activities which contribute to teacher growth. These include pre-service training of teachers and aspects of in-service training programs, such as institutes, workshops, and internships. The induction program is held to be especially important, because at no other time do administrators have a greater opportunity to provide leadership and to establish the right kind of supervisory relationships.

The need for a well integrated teacher-induction program, then, originates from two sources. In the first place there are factors in the teaching environment which make it desirable from an administrative point of view to establish such a program. Secondly, new teachers have a need for job information and assistance in adjusting to the school and

Teacher-Induction Needs.—It is obvious that an effective induction program should be premised upon a clear analysis of the needs of new teachers. In the early part of this study it was thought that an extensive investigation might be required to identify significant induction needs. However, it soon became apparent that basic induction needs are much the same for all new teachers regardless of varying school situations.

While committee participants were in general agreement as to what the most important induction needs were, it was recognized that the experience, background, and personality of new teachers, as well as factors in a particular school environment, determine the emphasis to be placed upon specific induction needs and practices. For example, new teachers who obtain employment within their own community need less help in adjusting to community situations than do teachers from outside the community.

As a part of this study, 24 categories of teacher induction needs, including 39 sub-points have been identified and ranked in order of importance by committee participants. Of the categories listed, the most important needs are related to the instructional program, the educational philosophy of the school and community, certain administrative procedures and school routines, matters of personnel policy, class sched-

ules and assignments, school organization, and home room duties. Needs which were regarded as requiring the least attention in the induction program were those involving community adjustments, certain information about students, acquaintance with the school library, and the extra-class program.

General aims and specific objectives of the teacher induction program were drawn from the analysis of new teacher needs and the review of the literature. The study defines the over-all purpose of teacher-induction as that of establishing an environment and learning situation which provides for the preliminary, optimal adjustment of new teachers, so that maximum efficiency is achieved with a minimum expenditure of time and effort.

Teachers are of the opinion that their own induction was too much a "trial and error" process, although many reported that considerable induction help was received. New teachers want to be treated with respect in the new school situation and be made to feel that they "really belong". The practice of assigning to new teachers tasks that experienced teachers do not like is wasteful from the standpoint of supervision.

The time at which induction information should be given and the means of providing the information were also considered. It was found that some needs can be met at a specific time by a particular activity or device, but that others, such as an understanding of the philosophy of the school, presented a problem of continuous training. Suggestions relating to the means of providing information were used as a basis for the questionnaire study of current induction practices.

It is concluded that school administrators should have little trouble in identifying the particular needs of their new staff members if a planned approach is made to the problem.

Current Induction Practices.—The major task, then, is not the discovery of teacher needs but the development of administrative practices to meet the needs. The literature, when reviewed in retrospect, is somewhat misleading. Great emphasis is placed upon the need for an induction program, and the reader is left with the feeling that little is being done in the way of teacher induction. However, the study reveals a surprising number of induction practices in use in the 199 schools which responded to a request for information about their practices. Of the 36 practices listed on the questionnaire, an average of 20 practices are now being used. In addition, administrators indicated that other practices would be used when needed. While these findings are based induction is receiving more attention than is indicated by the literature. The analysis of the data obtained from the questionnaire study reveals significant information about induction practices not previously reported

in the literature. It is apparent that certain induction activities are virtually standard practice in well administered schools, since at least eleven practices are being used currently by 80 per cent of the 199 schools. These practices in order of greatest frequency of use are:

Individual conferences with the principal prior to beginning the school year Introducing new teachers to the physical working environment with opportunity to work in the classroom.

Making available materials used by a predecessor

Orientation concerning curriculum materials

Individual conferences with the principal following class visits

Using the employing interview for orientation purposes

Providing housing aid as needed

Issuing and interpreting handbooks and administrative bulletins

Interim correspondence after hiring

Faculty meetings of all teachers prior to the opening of school

Tour of the school plant

The extent to which the 36 induction practices are used ranges from 2 per cent to 95 per cent. However, when practices now used are combined with practices not in use, but judged good to do in certain circumstances, the range is from 60 per cent to 99 per cent. This difference in range is largely due to two causes. In the first place, administrators who have only one or two new teachers do not use group induction activities, but they would use them if several new teachers were involved. In the second place, some administrators recognized the merit of a practice but felt that local administrative difficulties hindered its use.

When the applicability if different induction practices to varying school situations is considered, the study clearly shows that, in general, a large number of practices are common to all situations. Some variability does exist between practices used in elementary and secondary schools, and between schools in large and small communities, but for most of the practices the variability is surprisingly small. For example, the rank order coefficient of correlation between the use of the 36 induction practices in all the second sec tices in elementary and secondary schools is .93 with a probable error

With a few exceptions induction practices do not present major adof ± .02. ministrative difficulties. The practice considered most difficult was regarded as involving unusual administrative difficulties by only 27 per cent of the administrators. Practices used most frequently were judged the least difficult administratively, while those used most infrequently were considered the most difficult.

One of the most significant weaknesses of induction programs is connected with failure to integrate the numerous induction activities into a well planned and comprehensive program which is effectively coordinated with the total supervisory program of the school. More integration with the continuing in-service training program is desirable. Recommendations for a Teacher-Induction Program.—A well planned

teacher-induction program should be established as the initial part of the supervisory and in-service training program of the school. The program should grow out of the needs of new teachers in new school situations. It should be designed to produce maximum teacher adjustment and teaching efficiency in the shortest possible time.

The following principles are intended to serve as a guide in the devel-

opment of a good induction program.

1. Planning the program

An effective induction program is so well planned that aid on essential

matters of concern to new teachers is not left to chance.

Induction aims should grow out of a careful diagnosis of new teacher needs, as they exist in connection with the work to be performed in a given school and community.

The induction program should be designed and geared to the differing needs if individual teachers. For example, different emphasis should be placed upon activities planned for experienced teachers new to a situation and inexperienced

teachers new to a situation. The class schedule and initial work assignments should be planned, as far as possible, in accordance with the teacher's qualifications and apparent capacities as revealed by her personal history and previous experience.

2. Executing the program

In city schools, the principal is primarily responsible for the success of the induction program. Delegated responsibilities and the role of other partici-

pants should be clearly defined.

The principal should seek the cooperation and help of administrative officers at both the local and state levels. The responsibility for good induction programs must be shared by all administrators affecting the work of the schools.

The methods of induction should be adapted to the needs of individual

teachers in a particular school situation.

All information essential to initial job assignments should be provided at the proper time. On the other hand care should be taken not to "swamp the new teacher with information which can be given as effectively at a later time.

Induction information should be presented by the person or persons best qualified to impart it.

Group induction activities should be utilized as fully as possible in order to save the time of the school staff. The induction program is the initial part of the continuing in-service training program of the school. Therefore, it should be coordinated with the continuing tinuing in-service training program for all teachers.

The induction program of a given school should be coordinated with the

induction program of a given school should be it is a part.

As a rule, induction effort should concentrate on preparing the new teacher for the application of general skills to a specific situation. Basic information and skills and skills should be a part of the pre-service training of the teacher.

A good induction program should involve a variety of instruments, e.g.—e.selvol pre-school induction program should involve a variety of instruments, conferences, faculty meetings, individual conferences with supervisors, handbooks, administrative bulletins, and courses of study. New teachers should be specifically instructed in the use of printed materials.

3. Evaluating the program

Fach new teacher has a right to a stated policy which indicates what is expected of him in the way of work standards and the manner in which his work is to be evaluated.

A good induction program should improve the instruction in the school.

A good induction program is recognized as beneficial by the teachers for whom it is provided. They recognize it as being purposeful, timely, authoritative comprehensive and admirative comprehensive and admirative comprehensive. tative, comprehensive, and administratively sound.

Evaluation of the program should be continuous.

THE EVALUATION OF AN IN-SERVICE TRAINING PROGRAM WITH SPECIAL REFERENCE TO THE TRAINING PROGRAM FOR SERVICE SCHOOL OFFICERS, UNITED STATES NAVY

by RALPH WINDSOR RUFFNER *

INTRODUCTION

This study is the evaluation of an in-service training program administered by a civilian educational institution for a military establishment. More specifically, it is the evaluation of the Training Program for Service School Officers, United States Navy. The program was conducted from June 30, 1947, through June 30, 1948, by The George Washington University in cooperation with the Bureau of Naval Personnel.

The study does two things: (1) it describes the program and (2) it evaluates the program. The description is based on official documents, materials and records produced for and by the program, and on notes kept by the writer. The evaluation is based on interpretation of data obtained through the use of questionnaires and rating scales, quantitative analysis of records, qualitative analysis of correspondence, direct observation, and interviews.

The study was undertaken for the following five major reasons:

1. To investigate a pattern of training that might have wide application for training activities in military, business, and industrial establishments.

2. To try out certain evaluation techniques that may be of use in other situations.

3. To supply recommendations and conclusions which may be of value The George Washington University and to the Bureau of Naval ersonnel in continuing the training program for the year 1948-49.

4. The evaluation of this program should be of interest to military

establishments other than those of the Navy.

5. The evaluation serves as a report of the Training Program for Service School Officers, 1947-48, from The George Washington Uni-Versity to the Bureau of Naval Personnel.

DESCRIPTION OF THE TRAINING PROGRAM

Development and Overview.—Continuous training of all its personnel is a major concern of the United States Navy. Training activities of the Navy may be divided into two broad areas: (1) training of the individual of Naval Perindividual—primarily under the direction of the Bureau of Naval Personnel (BUPERS) and (2) team training—primarily under the direc-

⁽²⁾ team translated Washington University; Ed.D. Caferred November 11, 1948.

tion of the Fleet. The Training Program for Service School Officers

is concerned with the training responsibility of BUPERS.

In order that its training responsibility might be met, training activities were established to function under BUPERS. Various categories of schools were designated, and the Training Program was concerned, specifically, with Enlisted Class A, B, and C Schools, and with the Officer Engineering Schools,

Early in 1947, as a result of the visits of BUPERS representatives to schools in the field, the following training problem was identified: "How can service school administrators be given training in school administration?-Training that will present both applicable aspects of the best civilian practices in school administration and the most effective

current Naval service school practices."

After identifying and studying the problem, and as a result of many preliminary conferences, BUPERS decided to ask The George Washington University to provide the training called for by the problem. Accordingly, a mutually agreeable contract was drawn up and signed on June 30, 1947. The program was conducted by the School of Education of the University working in cooperation with the Standards and Curriculum Division of the Bureau of Personnel, and was designed to achieve the following overall objectives:

1. To improve instruction through improvement of administration

within the schools.

2. To develop a nucleus of trained school administrators.

3. To develop a manual for Navy school administrators.

The content or subject presented in the program was developed by the staff after visits to service schools and conferences with BUPERS representatives. Eight topics or areas were chosen and used throughout the year's training: The School Administrator, Learning. Supervision, Teaching, Motivation, Individual Differences, In-service Training, and The Administrative Conference. A text was written by the staff especially for the program titled, School Administration: Principles and Procedures.

With regard to form or organization, the Training Program was

divided into three phases, as follows:

1. The Presentation Phase—a five-day conference for each of six groups of approximately fifty participants each. Two conferences were held in Washington, D. C., two in Great Lakes, Illinois, and two in San Diego, California.

2. The Application Phase—a twenty-week period following the presentation Phase during which time work sheet reports were sent by participants to the staff of the program. The reports were concerned with the application by participants of the Presentation Phase to their own work situations.

3. The Follow-up Phase—a second five-day conference for each of the six Presentation phase groups.

The Presentation Phase.—The objectives of the Presentation Phase were as follows:

1. To present certain selected principles and procedures of school administration to service school staff members.

2. To discuss these principles and procedures from the point of view of their application to service school situations.

3. To enable service school staff members to exchange on-the-job experiences.

4. To assist in the evaluation of the text prepared for the Training Program-School Administration.

To attain these objectives, the conference week was organized around a lecture-discussion pattern. Each of the five days in the conference week was divided into two three-hour blocks. These were used as follows:

1. First three-hour block-Introduction and Orientation.

2. Next eight three-hour blocks-For each of the eight periods:

(a) First hour-a lecture was given by a staff member on one of the eight content areas.

(b) Second hour-the conference group was divided into three smaller groups to discuss the lecture. The three group leaders were staff members.

(c) Third hour—the whole conference group reassembled for reports of small group discussions, general discussion, and summation.

3. Last three-hour block-Summary.

Each conference member was given a copy of School Administration and a Conference member was given a copy of conference Guide. Mimeographed summaries were prepared for tach of the eight lecture-discussion periods and distributed to all parthe Pants. Evaluation forms were prepared whereby members evaluated the conference.

The Application Phase.—The Application Phase was a twenty-week defined following each Presentation Phase conference. During this phase work hork sheet reports were sent by participants to the staff of the program. This phase had the following objectives:

For each participant enrolled in the phase:

1. To apply the principles and procedures of school administration presented and discussed during the Presentation Phase to his own school thation in order to improve that situation.

2. To report to the staff of the Training Program the results of this application.

For the Training Program:

1. To keep the staff informed with regard to the application of the program to specific service situations.

2. To furnish the staff materials in the form of work sheet reports

to be used during Follow-Up Phase conferences.

In order to assist participants with their reports, ten work sheet guides were prepared by the staff. These guides dealt with the following areas: School Organization and the Administrative Conference (three work sheets), The Overall Supervisory Plan, Improving the Working Environment, Individual Differences, The Interview, Motivation, In-service Training, and Induction Program for New Personnel.

Each work sheet guide requested the participant

I. To evaluate his existing school situation in the area concerned.

2. To make plans to improve the existing situation.

3. To carry out the plans for improvement.

4. To report on items (1), (2), and (3) to the staff of the program. Participation in the Application Phase was voluntary, and those Presentation Phase members who desired to enroll were given enrollment cards and work sheets, 1, 2, and 3 at the last session of their Presentation Phase conference. Six weeks following enrollment, the remaining seven work sheets were sent to participants. Work sheet reports—requested on the basis of one every two weeks—were sent to the staff. They were then recorded, carefully read, commented upon in writing, and returned to the writers. After all ten reports were received from a participant, an evaluation form for the Application Phase was sent to him.

The Follow-up Phase.—The Follow-up Phase, the third and final phase of the Training Program, consisted of a second series of five-day conferences for each of the six Presentation Phase groups. The objective of the six Presentation Phase groups.

jectives of the phase were

1. To review the work done to date in the Training Program.

2. To discuss the content of the Training Program in the light of Application Phase experience.

3. To introduce Training Program members to the use of the small creative committee.

4. To prepare committee reports to supplement School Administration.

5. To summarize the total work of the Training Program.

The conference pattern was organized around creative committee work. Five or six committees were organized from the members of each conference. Committee areas or topics included administration (Service School Command, and the individual service school), supervision, induction of new personnel, motivation, individual differences, and Recruit Training Command problems.

Each conference day was divided into two three-hour blocks, dealing with the following activities:

1. First three-hour block-Orientation and Review.

2. Second three-hour block-First committee meeting for organization.

3. Five three-hour blocks-Each period was used as follows:

(a) First hour-a lecture was given by a staff member on committee work.

(b) Next two hours-meeting of each committee to deal with its topic.

4. One three-hour block-Interim committee reports.

5. Last three-hour session-Final committee reports to the conference. The following materials were prepared for and used in each conference: a pre-conference orientation letter, a conference guide, a committee area guide for each committee area, original Application Phase work sheet reports for use as source materials, picture-posters of service school activities, guides for committee chairmen, lecture charts, and summaries of Presentation Phase general discussion sessions.

The pre-conference orientation letter was sent to all Presentation Phase members to orient them with regard to the Follow-up Phase conference, and to allow each member to indicate his choice of a committee area. Committee chairmen were selected prior to the opening of the conference, and were given training and orientation on the day preceding

the first day of the conference.

During the conference week the staff carried out the following functions besides their regularly scheduled activities, conferences with chairmen, visits to all committee meetings—for observation and consultation, and conferences with individual conferees as requested.

Conference members were asked to evaluate the conference by use of

a check list.

EVALUATION OF THE TRAINING PROGRAM

Evaluation of the Training Program is divided into two parts, (1) an evaluation of outcomes—the results of the training received, and (2) an evaluation of the means—the pattern and procedures used during the program. Three major questions are presented and answered in each

Outcomes: (1) Who Received the Training?—A grand total of 412 Dersons participated in at least one phase of the Training Program. Of the total of 412 participants, 294, or 71.3 per cent represented service total of 412 participants, 294, or 71.3 per cent of the school activities. Four different Service School Commands and 56 different service schools were represented. There were 85 persons among the 412 participants (20.6 per cent) who were in service school administrative billets. Although 28.7 per cent of the participants were service school representatives, these members made definite contributions to the program, and many of them may be assigned at some

future date to service school activities. Outcomes: (2) What Training Was Received?-Ideally, all members of the Training Program should have completed all three phases of the program. This was not the case. The following data indicate the extent of participation by four categories of personnel.

of participation by roof categories of	Percentages Completing			Various	Phases
Personnel Category	Z	1-2	2	2-3	
1. All Members	0.001	67.3	61.5	48.I	33.5 6.8
2. Non-Service School Personnel		37.2	33.0	9.3 63.6	44.2
3. Service School Personnel		79.6	73.1	67.1	50.8
4. Service School Administrative Personnel	100.0	80.0	75.3	0/.1	01

In summary, 412 persons received at least one phase training. this total, 253 persons received two or more phases' training, and 138

persons completed the whole program.

Outcomes: (3) What Were the Specific Outcomes of This Training? Specific outcomes of the training are listed under two headings: (1) in terms of individual members of the program and (2) in terms of the training activities represented. Eighty-eight specific outcomes are listed in the study under these two headings. Examples of outcomes listed in terms of the individual member are:

1. The training developed skills in group work, in the analysis of educational problems, in self-analysis for professional improvement, in the use of an educational vocabulary, and in evaluating and improving school

situations.

2. The training provided educational information regarding principles and procedures of school administration—from civilian educators and

from other Navy personnel engaged in training activities.

3. The training added to the understanding of professional limitations and the action needed to remove these limitations, of weak spots in training activities and corrective action needed, of the role of BUPERS in improving training activities, and of the content areas with which the course was concerned.

4. The training influenced the development of desirable attitudes towards learning experiences in general, the work of BUPERS, billet

duties and responsibilities, self-improvement, and teaching.

Examples of specific outcomes in terms of the training activities represented are:

1. The existing organization was improved and the administrative conference was used successfully resulting in many general improvements.

2. Existing provisions for supervision were improved, including improvement of the working environment.

3. Existing provisions for individual differences were improved including extended and more effective use of the interview.

4. In-service training programs for staff members including induction programs for new personnel were improved.

5. Positive evidence was noted regarding improved staff morale, and

increased interest by staff members in their duties.

6. Many schools reported the clarification of educational problems, the provision of a common medium to discuss them—an educational vocabulary, and the development of skills to use tools in solving these problems—the administrative conference and the creative committee.

Means: (1) How Effective Were the Patterns and Procedures of the Presentation Phase?—The patterns and procedures used throughout the Presentation Phase were essentially the same for all six conferences. This is to say that they stood the test of repeated performance with different groups. Following each conference, staff members held meetings to discuss their own observations and the evaluation forms filled out by the conference members. The decision was, in each case, to try to improve the weak spots noted, but to continue the pattern and procedures essentially as they were.

Thirty-two per cent of the comments from conferees indicated general approval of the pattern and procedures—although suggestions for improvement were requested on the evaluation form—ranging from 76.1 Per cent for the conference materials to 11.8 per cent for the small discussion groups. Relatively speaking the following weak points may be Pointed out: (1) group leader control of the small group discussions, (2) certain phases of the large group discussion periods, and (3) pre-

conference orientation of conference members.

The phase attained its objectives: selected principles and procedures school administration were presented and discussed from the point view of their application to service school situations, conferees exchanged on-the-job experiences, and the text School Administration received overwhelming acceptance. The pattern and procedures of the

Presentation Phase were very effective.

Means: (2) How Effective Were the Pattern and Procedures of the Application Phase?—Participation in the Application Phase was voluntary. Nevertheless, 65.8 per cent of the program members did participate, and 80.8 per cent of the service school personnel were enrolled. Also, despite their heavy work load and the necessity for filling in the work sheet reports largely on their own time, 41.7 per cent of all figures were even higher for service school personnel—51.5 per cent, and cate effective organization and execution of the phase.

Only 3.8 per cent of the 1,730 reports sent in by members indicated tion. The great majority of participants replied that work sheet reports

were processed quickly enough by the University staff. Staff comments on or about the reports were found generally helpful by 96.3 per cent of those who completed the phase. The average time required by the work sheets was not excessive. The work sheet guides satisfactorily covered the content of the program, indicating effective integration of the Presentation and Application Phases. About one-half of the completers reported that filling in the work sheets motivated them to more work in at least one work sheet area. Eighty per cent of the completers found the work sheets to be of considerable or some help, while only 9 per cent found them to be of little or no help. Finally, the completers reported that the work sheets were responsible for definite improvements by their activities in the ten areas covered by the reports-ranging from 62.7 per cent to 88.8 per cent for the ten areas.

Certain weak spots may be pointed out, among which are the following: 1. Although participation percentages were gratifying to the staff, it is felt that even more members might have participated in the

2. Although 51 per cent of the service school members and 59 per cent of the service school administrators completed the phase, it is felt that these completion percentages might have been higher-particu-

3. When the top administrative officer in a service school activity did not participate in the phase, his staff members were handicapped

(in varying degrees) in their participation.

4. Many participants felt that filling in the work sheets on their own time did not permit them to do as good a job as they wished. The Application Phase attained its objectives. Those members who participated, and particularly those who completed the phase applied the material of the Presentation Phase to their own situations with resulting improvements in the great majority of cases. A total of 1,730 work sheet reports were sent in to the staff, and these reports kept the staff well informed regarding the progress of the phase. The reports also furnished the staff with source materials which were used during

Means: (3) How Effective Were the Patterns and Procedures of the the Follow-up Phase. Follow-up Phase?—Conferees evaluated the pattern and procedures of the Follow-up Phase by rating the attainment of objectives as listed on an evaluation sheet on a 4 (high)-3-2-1 (low) basis. The phase received an overall rating of 3.70. The fourteen objective-headings (major activities) was activities activities) were rated from 3.89 to 3.38, and may be divided into three groups: a "high" group, composed of those headings rated higher than the phase rating; a "middle group", composed of those headings rated about a "middle group", composed of those headings rated about the same as the phase rating; and a "low" group, composed of those headings rated somewhat lower than the phase rating.

The headings in the "high" group, in order of rating, were: the work of the staff, the lectures, the final committee reports, the period devoted to an overview of the conference week, and the period devoted to a review of the Presentation and Application Phases.

The headings in the "middle" group, in order of rating, were: "The Conference Guide", the pre-conference orientation letter, the committee progress reports, the committee work in general, and the interim com-

mittee reports.

The four headings in the "low" group indicate relative weak spots in the pattern and procedures. These headings in order of rating were: the committee organization period, the "Committee Area Guide", the Pre-conference meeting of committee chairmen, and the original work

sheets used as source materials.

The phase attained its overall objectives: work done to date in the Training Program was reviewed, content of the Training Program was discussed in light of Application Phase experience, conferees were given experience in creative committee work, thirty-four written committee reports were prepared which will be used to supplement School Administration, and the total work of the Training Program was summarized and officially concluded.

CONCLUSIONS AND RECOMMENDATIONS

Specific Recommendations for the Training Program for Service School Officers.-At the time of the writing of this study, plans were under way to continue the Training Program for 1948-49. Based on the material presented and evaluated in this study, the following specific recommendations are made relative to the continuation of the Training Program:

1. The 1948-49 program should be designed primarily for replacements-for new personnel coming into service school administrative billets.

2. The initial phase of the 1948-49 program should occur in so far as it is practical before the new administrators report to their assignments.

3. Service School Command personnel in administrative billets should be included in the program.

4. The program need not be limited to service school administrative personnel, if space remains after these personnel are assigned. 5. Training Program members should participate in so far as it is

practical in all phases of the training.

6. The content of the 1947-48 program, as originally developed and subsequently added to, should be satisfactory for the 1948-49 program.

7. The text, School Administration, should prove satisfactory for

continuing use as a text.

8. The committee reports of the Follow-up Phase should be used to develop pamphlets to supplement School Administration.

9. The other materials developed and used during the 1947-48 program should be of value for the 1948-49 program.

10. The organization of the program into three phases proved to be very effective, and it is recommended that similar organization be used in the continuation of the program.

11. The Presentation Phase should follow a lecture-discussion pat-

tern, supplemented if possible by laboratory activities. 12. The Application Phase should be based on the theory that Presentation Phase content be applied to actual service school situations, and reports be made of the results of the application.

13. The Follow-up Phase may take the form of a second series of conferences, or, if possible, may take the form of a schedule of visits by staff members to program members on the job.

14. Specific recommendations regarding each phase:

(a) Presentation Phase.—Devise preconference orientation procedures, include information about small group discussion procedure during the first day's orientation period, the lecturers should use 1947-48 materials to illustrate their lectures with service school examples, small group discussion leaders should receive refresher training, large group discussion periods should be carefully planned, and an effective evaluation form should be devised whereby conferees may evaluate the phase.

(b) Application Phase.—A definite work sheet report schedule should be set up and followed, all staff members should participate in commenting on the work sheet reports, and time for Application Phase work by members should be allotted

(c) The Follow-Up Phase.—Committee chairmen should be carefully chosen and trained before the conference begins, conference ence guides and committee guides should be revised in the light of 1947-48 experience; if work sheet reports are used as source materials they should be annotated and their most effective use described to conferees, and if committee observers are used, they should be given some training before taking over their duties.

GENERAL RECOMMENDATIONS AND CONCLUSIONS

1. The School of Education of a university can provide valuable service to training activities in business, industrial, and military establishments through assisting those responsible for staff development with in-service training programs.

The general pattern of presentation, application, and follow-up may be used effectively in organizing and executing in-service training

programs.

3. The conference pattern may be effectively used in in-service training, especially when relatively large groups of people are to be trained.

4. Correspondence type of instruction may be effectively used in inservice training, especially when:

(a) It is preceded and followed by conference work.

(b) Participants apply content to their own work situations and report on the application.

(c) Regular working time is allotted for the work.

5. Creative committee work may be used effectively in an in-service training program, especially as part of a general conference pattern.

FINAL STATEMENT

The findings of this study indicate that the major objectives of the Training Program for Service School Officers, 1947-48, were achieved. Administration and instruction were improved in the schools represented by staff members who took part in the training. Two hundred and ninety-four service school staff members received training, and this total included eighty-five staff members in administrative billets. A manual for Navy school administrators was prepared and effectively used throughout the year's work.

But this year's work is just a beginning. As Admiral T. S. Sprague in a memorandum prepared for the opening of the program:

... the increasing demands of the Fleet for highly trained personnel make it necessary that those engaged in Naval training continually strive to develop more effective training procedures."

lt is now up to the "nucleus of trained school administrators" to carry on, to continually strive to develop more effective training procedures their Naw schools